BASIC COOPERATION AGREEMENT
BETWEEN
VEL TECH Dr. RR & Dr. SR TECHNICAL UNIVERSITY (INDIA)
AND
THE UNIVERSITY OF ORLÉANS (FRANCE)

After drawing up the present agreement according to the current laws in each State,

After decision by the Board of Management,

After decision of Committee for training and Life of the University of Orleans

Vel Tech Dr. RR & Dr. SR Technical University, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology (University u/s 3 of UGC Act, 1956), Chennai, India (Vel Tech) represented by its Founder President Prof. Dr. R. Rangarajan

and

the University of Orléans, represented by its President, Youssoufi TOURE

have agreed to join up forces in order to promote international exchanges, to increase their scientific cooperation and to favor the development of research and higher education, whether it concerns initial studies or training, in fields of common interest.

Clause 1

OBJECTIVE OF THE AGREEMENT

Vel Tech Dr. RR & Dr. SR Technical University and University of Orleans are both involved in academic and research activities related to various engineering disciplines and have many areas of common interest. In order to mutually benefit from the expertise available at the two Universities, both contracting universities declare their intention to collaborate in the following field :

- ◊ common research activities
- ◊ exchange of university teachers and researchers
- ◊ exchange of students
- ◊ exchange of thesis students and common scientific direction of theses
- ◊ exchange of students as part of training periods at the end of the studies
- ◊ mutual information concerning education and research
- ◊ exchange of scientific or technical publications
- ◊ common publication of scientific results and educational documents
- ◊ organization of mutual courses and common conferences

This collaboration covers all Engineering Disciplines and may be extended to other fields later on.

Clause 2

Depending on their means and according to the current laws in each Country, the contracting universities will endeavour to obtain the necessary funding for the setting up of the corresponding projects.
The financing arrangements will be notified to the administrative authorities for information and/or approval according to the current regulations in each State.

Clause 3

Each university will watch over the intellectual property of the results achieved during common research programs. They cannot be used for patents or commercial exploitation by only one of the institutions concerned without authorization of the legal representatives of each university.

Clause 4

The implementation of this agreement will be discussed and accepted by the two institutions. If necessary, a codicil will be drawn up by representatives of both parties stating its terms of implementation.

Co-operation in any specific field will be the subject of a codicil regarding study programs and/or research; which will specify the mutual objectives of the universities, the financial provisions and the share of responsibility for each university involved in the agreement.

Each specific codicil will be annexed to the present cooperation agreement and the provisions it contains will be relative to the project described.

The subjects and programs of common activities, the conditions of use of the results achieved, the preparation of special visits, exchange programs and other forms of collaboration will be specified in appendices.

In this case, the parties will have to respect the appendices annexed to the present agreement, which will form an integral part of it, and which will be subject to the same approval and signatory procedures.

Clause 5

The present agreement takes effect on the day of signature by both institutions and after validation by both administration authorities. It is concluded for an initial period of five calendar years.

Should the universities decide to set up a common international diploma or degree in the context of their collaboration, a specific appendix will be annexed to this agreement and will be limited in time to the current accreditation period (Article D613-19 of the French code of Education). It shall come into force on the date of signature by both Parties.

This agreement may be renewed by the Parties' joint agreement for periods of the same duration, and in accordance with the rules specific to each institution.

During application, the appendices may be terminated at any time by either party, by registered letter with recorded delivery, with six month prior notice. The ongoing programs shall be completed to take care of the interest of the students, even when termination letter is issued.

Clause 6

The present agreement is concluded for an initial period of five calendar years.
It takes effect the day after both signatures of both establishments and after validation of both administration authorities.
Each party may ask for the modification or cancellation of the present agreement subject to a six months notice.

Clause 7

Selected students will have to follow the CEF selection process according to Article 3, Paragraphs 2 and 5 of the appendix to the CEF (Center for Studying in France) Convention of December 10, 2007 unless their mobility is part of an exchange program.

Clause 8

This agreement is drawn up in four (4) original copies, two in French and two in English, the two versions being equally authentic. Both versions are identical in spirit and interpretation.

17 FEV. 2014
(Date)
For the University of Orléans

The President
Youssoufi TOURE

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(Date) 02 APRIL 2014
For Vel Tech Dr. RR & Dr. SR Technical University

Founder President
Prof. Dr. R. Rangarajan.

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Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

University of Orleans, France

Name of the Research Institute/University/ Organization	Country	Duration of the Agreement	Academic Year	Date of Signing	Date of Expiry	Purpose/Activities
University of Orleans	France	5 Years	2018-19	26.02.2019	25.02.2024	Exchange of Students & Professors, Publications. Common Research Activities; Common Publications of Scientific Results and Educational conferences

Actual Activities with University of Orleans, France	
A.Y. 2016-17	Student Mobility (Outgoing - Project Work) - 1 Student Mobility (Outgoing - course work & Project Work) - 2 Student Mobility (Incoming - Course related project Work) - 9
A.Y. 2017-18	Student Mobility (Outgoing - Project Work) - 2 Student Mobility (Incoming - Course related project Work) - 4 Faculty Mobility (Incoming - Short Courses) - 2
A.Y. 2018-19	Student Mobility (Outgoing - Project Work) - 3 Faculty Mobility (Incoming - Short Courses) - 3
A.Y. 2019-20	Student Mobility (Outgoing - Project Work) - 3 Student Mobility (Incoming - Course related project Work) - 2 Delegates visited Vel Tech - 2

MoU Coordinator

Vel Tech * India * Office of International Relations
19 FEB 2022

Dean - International Relations

Dean - International Relations
Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology

CODICIL

COOPERATION AGREEMENT FOR EXCHANGES

BETWEEN

VEL TECH Dr. RR & Dr. SR TECHNICAL UNIVERSITY (INDIA)

AND

THE UNIVERSITY OF ORLÉANS (FRANCE)

Vel Tech Dr. RR & Dr. SR Technical University, {Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology} (University u/s 3 of UGC Act, 1956), Chennai, India (Vel Tech) and University of Orleans recognizing the educational and cultural exchanges which can be achieved between the institutions, enter into this Cooperation agreement for exchanges to facilitate the exchange of students and scholars

After drawing up the Basic Cooperation Agreement between both universities,

After drawing up the present agreement according to the current laws in each State,

After decision of the Board of Management,

After decision of the Committee for Training and Life of the University of Orléans,

After decision of the Senate from the University of Orléans,

Vel Tech Dr. RR & Dr. SR Technical University represented by its Founder President,
Prof. Dr. R. Rangarajan

And the University of Orléans, represented by its President, Youssoufi TOURÉ

have agreed to join up forces in order to promote international exchanges, to increase their scientific cooperation and to favor the development of research and higher education, whether it concerns initial studies or training, in fields of common interest. This agreement aims especially for development of proficiency in the domains of Engineering education and research.

Cooperation between both universities will concern initially:

1) Student exchanges
2) Teacher and researcher Exchanges
3) Other Exchanges
4) Termination prior to expiry, modification or renewal

17/02/2014

1) STUDENT EXCHANGES

Clause 1

On the basis of reciprocity, an exchange program open to students from both Universities will be set up at the beginning of the term according to the agreement. Each university will endeavor to send up to four undergraduate or graduate students per year to the partner university, where, for the duration of the complete academic year or for one semester only, they will take part in a full time study programme. For the purposes of reciprocity two students for one semester are equivalent to one student for the academic year.
The total number of students exchanged in each university should not exceed twelve over a period of five years, unless otherwise decided by mutual agreement.

Clause 2

Students from the University of Orleans will register as full-time students at Vel Tech Dr. RR & Dr. SR Technical University and will be free to take up courses or project/thesis work at the relevant level in all Departments, subject to the agreement of the Head of the Department concerned..

Students from Vel Tech Dr. RR & Dr. SR Technical University will register as full-time students at The University of Orléans and will be free to take up courses or project/thesis work at the relevant level in all Departments, subject to the agreement of the Head of the Department concerned.

Each student from either University will be able to enrol in the Host University once the exchange is over.

Clause 3

The Home University will be in charge of the selection process for the exchanges and will have to make sure that each selected student has a good enough level of language in order to follow the different courses in the Host University and take full advantage of the classes.

All selected students should prepare a program of study with the approval of the Home Institution.

Students from Orleans and from Vel Tech Dr. RR & Dr. SR Technical University, will be classified as exchange students and will be non-degree seeking in the Host University.

Each participant in the exchange will enjoy the same rights and privileges as students of the host institution and will be expected to abide by the rules and regulations of the host university.

Clause 4

1) Exchange parity

Each University will record the number of students accepted and the number sent within the framework of the present agreement. If the number of students exchanged is not equal during the course of a year, it will have to be roughly equal over a five year period. Both the Universities will make endeavour to meet this objective.

2) Exchange students who cannot be awarded a degree/ Non- degree seeking students

When exchange parity is respected, the students are required to pay registration fees (tuition fees) in their home University. They do not pay registration fees (tuition fees) in their host University. They cannot be entitled to be awarded a degree from the host institution.

17/02/2014

3) Exchange students who can be awarded a degree

If exchange students wish to obtain a French national degree or a University diploma, they will have to pay registration fees in the host University.
However they will only be able to register if their level of French is equal to TCF3 and if their level in their chosen course of study has been approved, in accordance with the appropriate validation procedure requirements for all students.

4) Student exchanges outside parity

Students pay registration fees in the host university when the number of students exceeds the maximum number of exchange students agreed at Clause 1.Those students will therefore be able to claim the status of degree-seeking students

However they will only be able to register if their level of French is equal to TCF3 and if their level in their chosen course of study has been approved, in accordance with the appropriate validation procedure requirements for all students.

Clause 5

Transportation, accommodation, food and pedagogical equipment will be paid for by the student.
Each University will help the students find accommodation in one of the Campus Residences or in a host family. Students may also choose to find their own accommodation should they wish to do so.

Students from Vel Tech Dr. RR & Dr. SR Technical University will be required to pay health insurance fees to the University of Orleans and will have to take up a private insurance supplement (French or Indian) including specialized medical care, hospitalization and repatriation.

Students from the University of Orleans will be required to pay health insurance fees to Vel Tech Dr. RR & Dr. SR Technical University. Before their departure from their home university they will also take up a private insurance supplement including specialized medical care, hospitalization and repatriation.

Clause 6

Each university will provide exchange students with such information and guidance as is necessary for them to be placed in and take part in the lectures and seminars best suited to their courses and their own level of achievement. Each university will provide an assessment of each student's seminar participation and examination performance as well as a transcript of grades.

Each University will choose a coordinator to advise their respective students before departure, and foreign students during their stay in the partner University.

Clause 7

The recognition of the work carried out and the results obtained by the student during the exchange program will be subject to an agreement between the student and the Home University.

Upon students' request, Universities will deliver credits for courses attended within the exchange program according to the agreements established between both Universities.

Clause 8

If possible and upon request, the student exchange program carried out in the Host University may include or be followed by an internship in a firm or in a university laboratory. Students may also opt for only project (Undergraduate) or thesis work (Masters) at the Host University.
Both Universities will jointly decide on the terms of such internship agreements.
Students must obtain a specific visa for internships, as required.

2) TEACHER AND RESEARCHER EXCHANGES

The two parties express their wish to periodically exchange teachers in relevant subjects with a view to establishing co-operation in the field of academic research and/or administrators with a view to exchanging good practice.

Six months prior to the beginning of the academic year each University will inform the other on exchange availability and the necessary administrative procedure to be followed,
The contract for this type of exchange will be dealt with on a case by case basis between both partners.

3) OTHER EXCHANGES

New technology such as videoconferences and distant learning may be used by both partners.

4) NONDISCRIMINATION PROVISION

Each university shall comply with all laws, including nondiscrimination laws, that are applicable to it. In accepting or selecting students, faculty, or staff for exchange opportunities, neither university shall discriminate on the basis of race, color, religion, national origin, age, sex, height, weight, or marital status.

5) RESOURCES

In order to realize the present agreement, the contracting universities will do their best to obtain the necessary resources for the realization of the corresponding projects.

In General, each university will support the cost of its participation in the organisation of projects and activities, unless a prior agreement has been obtained.

6) Termination prior to expiry, modification or renewal

The present agreement takes effect on the day after both institutions have signed and after validation by both administrative authorities. It is concluded for an initial period of five calendar years.
Each party may ask in writing for the modification or cancellation of the present agreement subject to a six month notice. The ongoing programs shall be completed to take care of the interest of the students, even when termination letter is issued.

After a period of four years, a new updated agreement can be drawn up according to the procedures.

In the case of any difficulty in interpreting or fulfilling the provisions of this Agreement, the Parties undertake to come to a mutually agreeable resolution through a process of amicable discussion between academic equals.

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Name of the Coordinator :
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17/02/2014

Modifications to this agreement will not be accepted unless presented on a written document signed by both Universities.

This agreement is drawn up in four (4) original copies, two in French and two in English the two versions being equally authentic. Both versions are identical in spirit and interpretation .

Date 17 FEV. 2014
For the University of Orleans

The President
Youssoufi TOURÉ

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Date 02 APRIL 2014
For Vel Tech Dr. RR & Dr. SR Technical University

Dr. R. Rangarajan
Founder-President
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(Vel Tech Dr.RR & Dr.SR Technical University
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Founder President.
Prof. Dr. R. Rangarajan.

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UNIVERSITE D'ORLEANS

BASIC COOPERATION AGREEMENT
BETWEEN
VEL TECH RANGARAJAN Dr. SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY (INDIA)
AND
THE UNIVERSITY OF ORLÉANS (FRANCE)

After drawing up the present agreement according to the current laws in each State,

After decision of the Board of Directors

After decision of the Academic and Student Life Committee of the University of Orleans,

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, (Deemed to be University) represented by its Founder - President, Prof. R. Rangarajan

And

the University of Orléans, represented by its President, Pr Ary BRUAND,

have agreed to join forces in order to promote international exchanges, to increase their scientific cooperation and to favor the development of research and higher education, whether it concerns initial studies or training, in fields of common interest.

Clause 1

OBJECTIVE OF THE AGREEMENT

Both contracting universities declare their intention to collaborate in the following fields:

- ◊ common research activities
- ◊ exchange of university teaching staff and researchers
- ◊ exchange of students
- ◊ exchange of PhD students and common scientific direction of theses
- ◊ exchange of students as part of training periods at the end of the studies
- ◊ mutual information concerning education and research
- ◊ exchange of scientific or technical publications
- ◊ common publication of scientific results and educational documents
- ◊ organization of mutual courses and common conferences

This collaboration may be extended to other fields later on.

UNIVERSITE D'ORLEANS

UNIVERSITE D'ORLEANS

Clause 2

As possible and according to the current laws in each country, the contracting universities will help to search for obtaining the necessary funding for the setting up of the corresponding projects.

Clause 3

Each university will watch over the intellectual property of the results achieved during common research programs. They cannot be used for patents or commercial exploitation by only one of the institutions concerned without authorization of the legal representatives of each university.

Clause 4

The implementation of this agreement will be discussed and accepted by the two institutions.

Co-operation in any specific field will be the subject of an amendment regarding study programs and/or research; which will specify the mutual objectives of the universities, the financial provisions and the share of responsibility for each university involved in the agreement.

Each specific amendment will be annexed to the present cooperation agreement and the provisions it contains will be relative to the project described.

The subjects and programs of common activities, the conditions of use of the results achieved, exchange programs and other forms of collaboration will be specified in appendices.

In this case, the parties will have to respect the appendices annexed to the present agreement, which will form an integral part of it, and which will be subject to the same approval and signatory procedures.

Clause 5

The present agreement takes effect on the day of signature by both institutions and after validation by both administration authorities. It is concluded for an initial period of five academic years.

Should the universities decide to set up a common international diploma or degree in the context of their collaboration, for France, a specific appendix will be annexed to this agreement and will be limited in time to the current accreditation period (Article D613-19 of the French code of education). It shall come into force on the date of signature by both Parties.

This agreement may be renewed by the Parties' joint agreement for periods of the same duration, and in accordance with the rules specific to each institution.

During application, the appendices may be terminated at any time by either party, by registered letter with recorded delivery, with six month prior notice.

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Clause 6

Each party may ask for the modification or cancellation of the present agreement subject to a six month written notice.

In case of difficulty in the interpretation or execution of this Agreement, the Parties shall endeavour to resolve the dispute amicably.

Clause 7

This agreement is drawn up in four (4) original copies, two in French and two in English, the two versions being equally authentic. Both versions are identical in spirit and interpretation.

Date : 26/02/2019

For the University of Orléans

The President,

Ary BRUAND

For Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology

The Founder – President,

R. RANGARAJAN

Col.Prof.Vel.Dr. R.Rangarajan
Founder Chancellor & President

Vel Tech
Rangarajan Dr. Sagunthala
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(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

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UNIVERSITE D'ORLEANS

APPENDIX

COOPERATION AGREEMENT FOR EXCHANGES
BETWEEN
VEL TECH RANGARAJAN Dr. SAGUNTHALA R&D INSTITUTE
OF SCIENCE AND TECHNOLOGY (INDIA)
AND
THE UNIVERSITY OF ORLÉANS (FRANCE)

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology and **the University of Orléans** recognizing the educational and cultural exchanges which can be achieved between our institutions, enter into this cooperation agreement for exchanges to facilitate the exchange of students, scholars, teaching staff and researchers.

After drawing up the Basic Cooperation Agreement between both universities,

After drawing up the present agreement according to the current laws in each State,

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, a Deemed to be University, represented by its Founder - President, Prof. R. Rangarajan

And

the University of Orléans, represented by its President, Ary BRUAND,

have agreed to join forces in order to promote international exchanges to increase their scientific cooperation and to favor the development of research and higher education, whether it concerns initial studies or training, in fields of common interest.

I. STUDENTS EXCHANGE

Clause 1

1.1. On the basis of reciprocity, an exchange program open to qualified students from both Universities will be set up at the beginning of the term according to the agreement. Each university will endeavor to send up to **four** undergraduate or graduate students per year to the partner university, where, for the duration of the complete academic year or for one semester only, they will take part in a full time study programme. For the purposes of reciprocity two students for one semester are equivalent to one student for the academic year. The total number of students exchanged in each university should not exceed **twenty** over a period of five years, unless decided otherwise by mutual agreement.

1.2. Each University will record the number of students accepted and the number sent within the framework of the present agreement. If the number of students exchanged is not equal during the course of a year, it

will have to be roughly equal over a five-year period. Both Universities will make endeavour to meet this objective.

1.3. When exchange parity is respected, the students are required to pay registration & tuition fees in their home University. They do not pay registration and tuition fees in their host University. They cannot be entitled to be awarded a degree from the host institution.

Clause 2

For countries signers of the CEF agreement (**dated** 10 December 2007), the selected students will have to abide by the terms of the CEF process to obtain a French student visa.

Clause 3

2.1. Students from **the University of Orléans** will maintain full-time student status at **Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology** and will be free to take courses in all Departments including course related project work, subject to satisfaction of published prerequisites and/or departmental approval.

2.2. Students from **Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology** will maintain full-time student status at **the University of Orléans** and will be free to take courses in all Departments, including course related project work subject to satisfaction of published prerequisites and/or departmental approval.

Clause 4

3.1. The Home University will be in charge of the selection process for the exchanges and will have to make sure that each selected student has a good enough level of language in order to follow the different courses in the Host University and take full advantage of the classes.

Specifically, exchange students from the **Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology** will only be able to register if their level of French is equal to DELF B2. and provided they satisfy the prequisites in their specialty. Exchange students who will participate in a course of the Institute of French language of **the University of Orléans** are required to have DELF A1. However this language requirement is not applicable for students registering only for course related project work and / or registering for courses taught in English.
Should students follow a program in another language, it is highly recommended to make sure that students possess a level that enable them to follow the courses.

3.2. All selected students should prepare a program of study with the approval of the Home Institution (learning agreement fulfilling the curriculum of the student).

3.3 Students from both universities will be classified as exchange students and will be non-degree seeking in the Host University. Each participant in the exchange will enjoy the same rights and privileges as students of the host institution and will be expected to abide by the rules and regulations of the host university.

3.4. Each university will provide a transcript of grades (deliverance of credits for courses attended within the exchange program).

3.5. Each University will choose a coordinator to advise their respective students before departure, and foreign students during their stay in the partner University.

Clause 5

4.1. Transportation, accommodation, food and pedagogical equipment will be paid for by the student.

4.2. Each University will help the students to find accommodation in one of the Campus Residences or in a host family. Students may also choose to find their own accommodation should they wish to do so.

4.3. Students from **Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology** who hold a « **VLS-TS** » visa (long-stay visa) will have to register individually to the French Social Security upon their arrival in France. This operation is free of charge. They will be insured at the date of their enrollment at **the University of Orléans**. Students have to subscribe a private health insurance including sickness, medical care and hospitalization protecting them between their arrival in France and their enrollment at the University.

Students from the **Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology** who hold another visa will have to subscribe a private health insurance, before coming to France, including sickness, medical care and hospitalization valid during their stay.

For all students, repatriation is not mandatory but highly recommended.

Students from **the University of Orléans** will be required to pay health insurance in **Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology.** Before their departure from their home university, they will also take up a private insurance supplement including specialized medical care, hospitalization and repatriation.

Clause 6

The student exchange program carried out in the Host University may include or be followed by an internship in a firm or in a university laboratory.
Both Universities will jointly decide on the terms of such internship agreements.
Students may be required to obtain a specific visa for internships.

II. TEACHING STAFF AND RESEARCHER EXCHANGES

The two parties express their wish to periodically exchange academic staff in relevant subjects with a view to establishing co-operation in the field of academic research and/or administrators with a view to exchanging good practice.
Six months prior to the beginning of the academic year each University will inform the other on exchange availability and the necessary administrative procedure to be followed if requested.
The contract for this type of exchange will be dealt with on a case by case basis between the universities.

UNIVERSITE D'ORLEANS

III. NON-DISCRIMINATION PROVISION

Each university commits to behave equally with all candidates, according to the laws of each country, including nondiscrimination.

IV. TERMINATION PRIOR TO EXPIRY, MODIFICATION OR RENEWAL

This agreement takes effect upon signing and after validation by both administrative authorities. It is concluded for an initial period of five academic years.

Any modification or waiver of any provision of this agreement will not take effect until they have been written in the form of an amendment agreement signed by the Parties.

In case of difficulty in the interpretation or execution of this agreement, the Parties shall endeavor to resolve the dispute amicably.

This agreement is drawn up in four original copies, two in French and two in English, the two versions being equally authentic. Both versions are identical in spirit and interpretation.

UNIVERSITE D'ORLEANS

Date 26 février 2019

For the University of Orleans

The President,
Ary BRUAND

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For Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology

The Founder – President,
R. RANGARAJAN

Col.Prof.Vel.Dr. R.Rangarajan
Founder Chancellor & President

Vel Tech
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UNIVERSITE D'ORLEANS

POLYTECH
ORLÉANS
École d'ingénieurs de l'Université d'Orléans

Réf : BREI/AL/2017-72

Orléans, 9 May 2017

To whom it may concern,

I undersigned, Philippe DEVINANT, Director of the International Relations Office at Polytech Orleans, the engineering school of the University of Orleans, certify that **Mohammed Atheequr Rahman Rafi,** is currently registered in our department of Technologies for Energy, Aerospace and Engine during the spring semester 2017.

He is awarded with the grade 10/20 for his project: finalization of the injection test bench.

The required grade to pass a course is 10/20.

POLYTECH ORLEANS
The Engineering School of
the University of Orleans
International Office, Site Galilée
12 rue de Blois BP 6744
45067 ORLEANS Cedex 2 - FRANCE

Philippe DEVINANT

Director of the International Relations Office

Polytech Orleans

UNIVERSITE D'ORLEANS
POLYTECH
École polytechnique
de l'université d'Orléans
Premier réseau français
des écoles d'ingénieurs
polytechniques des universités
8 rue Léonard de Vinci
45072 Orléans cedex 2
France
Tél. +33 (0)2 38 41 70 50
Fax. +33 (0)2 38 41 70 63

POLYTECH
ORLÉANS
École d'Ingénieurs de l'Université d'Orléans

Réf : BREI/RR/2016-56

Orléans, le 10 juin 2016

Madame Vijeta KALKAL

Née le 7/08/1995

Objet : lettre d'acceptation

Madame Vijeta KALKAL,

J'ai le plaisir de vous informer que votre candidature au programme d'échange entre Veltech University et l'université d'Orléans a été acceptée.

Vous pourrez étudier au sein de la spécialité « Ecotechnologies électroniques et optiques » de Polytech Orléans durant l'année universitaire 2016-2017, de septembre 2016 à juin 2017.

Le bureau des relations internationales de Polytech Orléans international.polytech@univ-orleans.fr , sera votre contact pour la coordination générale de votre séjour d'études à Orléans.

Je vous invite à vous rendre dès maintenant sur le site internet de l'université d'Orléans à l'adresse suivante https://uorleans.moveon4.com/form/568f871a3e5d668f1850760c/eng afin de suivre la procédure d'inscription en ligne.

Attention ! Veillez bien à suivre toutes les étapes de la procédure.

L'attribution et l'envoi de l'attestation de logement ne se feront qu'après réception de tous les documents indiqués sur le site web.

Nous vous demandons d'arriver le 29 août 2016 pour la semaine d'intégration de Polytech Orléans.

Dans l'attente de vous accueillir à Polytech Orléans, je vous prie d'agréer, Madame, l'expression de mes sentiments les meilleurs.

Polytech'Orléans
École Polytechnique
de l'Université d'Orléans
BREI - Site Galilée
12 rue de Blois
45072 Orléans Cedex 2

Christophe Léger,

Directeur Polytech Orléans

POLYTECH

École polytechnique de l'université d'Orléans

Premier réseau français des écoles d'ingénieurs polytechniques des universités

8 rue Léonard de Vinci
45072 Orléans cedex 2
France
Tél. +33 (0)2 38 41 70 50
Fax. +33 (0)2 38 41 70 63

POLYTECH
ORLEANS
École d'Ingénieurs de l'Université d'Orléans

Réf : BREI/RR/2016-59

Orléans, le 10 juin 2016

Monsieur Vikrant KALKAL

Né le 21/01/1994

Objet : lettre d'acceptation

Monsieur Vikrant KALKAL,

J'ai le plaisir de vous informer que votre candidature au programme d'échange entre Veltech University et l'université d'Orléans a été acceptée.

Vous pourrez étudier au sein de la spécialité « Innovations en conception et matériaux » de Polytech Orléans durant l'année universitaire 2016-2017, de septembre 2016 à juin 2017.

Le bureau des relations internationales de Polytech Orléans international.polytech@univ-orleans.fr , sera votre contact pour la coordination générale de votre séjour d'études à Orléans.

Je vous invite à vous rendre dès maintenant sur le site internet de l'université d'Orléans à l'adresse suivante https://uorleans.moveon4.com/form/568f871a3e5d668f1850760c/eng afin de suivre la procédure d'inscription en ligne.

Attention ! Veillez bien à suivre toutes les étapes de la procédure.

L'attribution et l'envoi de l'attestation de logement ne se feront qu'après réception de tous les documents indiqués sur le site web.

Nous vous demandons d'arriver le 29 août 2016 pour la semaine d'intégration de Polytech Orléans.

Dans l'attente de vous accueillir à Polytech Orléans, je vous prie d'agréer, Monsieur, l'expression de mes sentiments les meilleurs.

Polytech'Orléans
École Polytechnique
de l'Université d'Orléans
BREI - Site Galilée
12 rue de Blois
45072 Orléans cedex 2

Christophe Léger,

Directeur Polytech Orléans

POLYTECH

École polytechnique de l'université d'Orléans

Premier réseau français des écoles d'ingénieurs polytechniques des universités

8 rue Léonard de Vinci
45072 Orléans cedex 2
France
Tél. +33 (0)2 38 41 70 50
Fax. +33 (0)2 38 41 70 63

Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science And Technology
(Estd. u/s 3 of UGC Act. 1956)

Date: January 18, 2017

Internship Offer Letter

Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology (Veltech Dr. RR & Dr. SR University), Chennai is pleased to offer Internship to Mr. Sivagoumar Ludovic as per the following details:

Name of the Student	Mr. Sivagoumar Ludovic
Affiliation	Polytech Orleans, France. Course: Innovation in Design & Materials Engineering Degree.
Proposed Internship Period	29.05.2017 to 17.09.2017.
Internship Details	At Department of Aeronautical Engineering, Veltech.
Salary / Stipend	No salary / stipend will be paid by Veltech to the student.
Other Conditions	1. Veltech will waive the admission and tuition fees 2. Students will meet all the expenses related to travel, insurance, boarding & lodging at Chennai, incidentals, etc. 3. Students will pay to Veltech equivalent of 150 Euro per month in Indian Rupees for their food and lodging at Veltech Hostel. The entire amount for the full duration of stay shall be paid immediately on arrival. A part calendar month will be considered as a full month for charging purposes. The students are entitled to use Library and Sports facilities. 4. Students will follow the local rules and culture. 5. The entire program will be implemented in good faith to the benefit of all concerned.
Contact Person at Veltech	Mr. S. Sivaperumal, Director International Relations. E Mail:dint@veltechuniv.edu.in

The acceptance of the above Internship Offer may be communicated to us.

Dr.E.Kannan
Registrar

Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science And Technology

I agree with the above conditions.

Signature of student:

Countersigned by Polytech Orleans:

POLYTECH ORLEANS
The Engineering School of
the University of Orleans
National office, Site Galilée
12 rue de Blois BP 6744
45067 ORLEANS Cedex 2 - FRANCE

400 feet Outer Ring Road, Avadi,
Chennai-600 062, Tamil Nadu, India.
Toll Free : 1800 3070 6949
Email : vtu@veltechuniv.edu.in
Website : www.veltechuniv.edu.in

Visas Visas Visas Visas

A3-001
26 MAY 2017
ARRIVAL
ANNA INT AIRPORT, CHENNAI

वीज़ा VISA भारत गणराज्य REPUBLIC OF INDIA VJ 8063911

VISA

उपनाम /Surname
SIVAGOUMAR
नाम /Name
LUDOVIC GASTON
पासपोर्ट संख्या /Passport No.
16DY15066
वीज़ा टाईप /Visa Type
S-6
प्रवेशों की संख्या /No. of Entries
DOUBLE



जारी करने की तिथि /Date of Issue
18-05-2017
समाप्ति की तिथि/Date of Expiry
27-09-2017
विशेष पृष्ठांकन /Endorsement
VELTECH DR.RR AND SR-R.D IST,CHENNAI
NOT VALID FOR PROHIBITED/RESTRICTED AND CANTONMENT AREAS
REGISTRATION REQUIRED WITHIN 14 DAYS OF ARRIVAL IN INDIA IF STAY EXCEEDS 180 DAYS
प्रयोजन बदलने की अनुमति नहीं है / Change of Purpose Not Allowed.

VSINDSIVAGOUMAR<<LUDOVIC<GASTON<<<<<<<<<<<<<
VJ80639110FRA9601260M1709274FRAP132<<<<<<<<<

Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science And Technology
(Estd. u/s 3 of UGC Act, 1956)

Date: 18th Jan 2017

Internship Offer Letter

Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology (Veltech Dr. RR & Dr. SR University), Chennai is pleased to offer Internship to Mr. Fouad Azougagh as per the following details:

Name of the Student	Mr. Fouad Azougagh
Affiliation	Polytech Orleans, France. Course: Innovation in Design & Materials Engineering Degree
Proposed Internship Period	29.05.2017 to 17.09.2017.
Internship Details	At Department of Aeronautical Engineering, Veltech.
Salary / Stipend	No salary / stipend will be paid by Veltech to the student.
Other Conditions	1. Veltech will waive the admission and tuition fees 2. Students will meet all the expenses related to travel, insurance, boarding & lodging at Chennai, incidentals, etc. 3. Students will pay to Veltech equivalent of 150 Euro per month in Indian Rupees for their food and lodging at Veltech Hostel. The entire amount for the full duration of stay shall be paid immediately on arrival. A part calendar month will be considered as a full month for charging purposes. The students are entitled to use Library and Sports facilities. 4. Students will follow the local rules and culture. 5. The entire program will be implemented in good faith to the benefit of all concerned.
Contact Person at Veltech	Mr. S. Sivaperumal, Director International Relations. E Mail:dint@veltechuniv.edu.in

The acceptance of the above Internship Offer may be communicated to us.

Dr.E.Kannan
Registrar

Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science And Technology

I agree with the above conditions.

Signature of student:

Countersigned by Polytech Orleans:

POLYTECH ORLEANS
The Engineering School of
the University of Orleans
International office, Site Galilée
12 rue de Blois BP 6744
45067 ORLEANS Cedex 2 - FRANCE

400 feet Outer Ring Road, Avadi,
Chennai-600 062, Tamil Nadu, India.
Toll Free : 1800 3070 6949
Email : vtu@veltechuniv.edu.in
Website : www.veltechuniv.edu.in

Visas Visas Visas Visas

IMMIGRATION INDIA
A3-017
25 MAY 2017
ARRIVAL
ANNA INT AIRPORT, CHENNAI

ASIE

भारत गणराज्य REPUBLIC OF INDIA VJ 8062620

VISA

उपनाम /Surname
AZOUGAGH
नाम /Name
FOUAD
पासपोर्ट संख्या/Passport No.
17IA64087

वीज़ा टाईप /Visa Type
S-6

प्रवेशों की संख्या /No. of Entries
DOUBLE

जारी करने की तिथि/Date of Issue
08-05-2017

समाप्ति की तिथि/Date of Expiry
27-09-2017

विशेष पृष्ठांकन /Endorsement
VEL TECH,R N D.INST.SCIENCE.TECH-CHENNAI
NOT VALID FOR PROHIBITED/RESTRICTED AND CANTONMENT AREAS
NOT VALID FOR EMPLOYMENT AND BUSINESS

प्रयोजन बदलने की अनुमति नहीं है / Change of Purpose Not Allowed.

VSINDAZOUGAGH<<FOUAD<<<<<<<<<<<<<<<<<<<<<<<<<<<<
VJ80626200FRA9607158M1709274FRAP142<<<<<<<<<<

Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science And Technology
(Estd. u/s 3 of UGC Act, 1956)

Date: January 18, 2017

Internship Offer Letter

Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology (Veltech Dr. RR & Dr. SR University), Chennai is pleased to offer Internship to Mr. Nabil Ouaritini as per the following details:

Name of the Student	Mr. Nabil Ouaritini
Affiliation	Polytech Orleans, France. Course: Energy Technologies, Aerospace & Motorization Engineering Degree.
Proposed Internship Period	10.05.2017 to 20.08.2017.
Internship Details	At Department of Aeronautical Engineering, Veltech.
Salary / Stipend	No salary / stipend will be paid by Veltech to the student.
Other Conditions	1. Veltech will waive the admission and tuition fees 2. Students will meet all the expenses related to travel, insurance, boarding & lodging at Chennai, incidentals, etc. 3. Students will pay to Veltech equivalent of 150 Euro per month in Indian Rupees for their food and lodging at Veltech Hostel. The entire amount for the full duration of stay shall be paid immediately on arrival. A part calendar month will be considered as a full month for charging purposes. The students are entitled to use Library and Sports facilities. 4. Students will follow the local rules and culture. 5. The entire program will be implemented in good faith to the benefit of all concerned.
Contact Person at Veltech	Mr. S. Sivaperumal, Director International Relations. E Mail:dint@veltechuniv.edu.in

The acceptance of the above Internship Offer may be communicated to us.

Dr.E.Kannan
Registrar
Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science And Technology
(Estd. u/s 3 of UGC Act,1956)
400 feet Outer Ring Road, Avadi, Chennai-600 062,
Tamil Nadu, India

I agree with the above conditions.

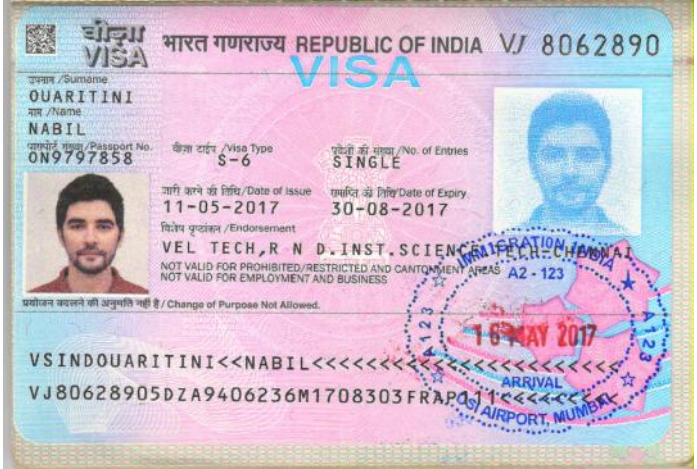
Signature of student:

Countersigned by Polytech Orleans:

POLYTECH ORLEANS

400 feet Outer Ring Road, Avadi,
Chennai-600 062, Tamil Nadu, India.
Toll Free : 1800 3070 6949
Email : vtu@veltechuniv.edu.in
Website : www.veltechuniv.edu.in


16 05 17 42
visa


VISA
भारत गणराज्य REPUBLIC OF INDIA VJ 8062890
VISA
उपनाम /Surname
OUARITINI
नाम /Name
NABIL
पासपोर्ट संख्या /Passport No.
ON9797858
वीज़ा टाईप /Visa Type
S-6
प्रवेशों की संख्या /No. of Entries
SINGLE
जारी करने की तिथि/Date of issue
11-05-2017
समाप्ति की तिथि/Date of Expiry
30-08-2017
विशेष पृष्ठांकन /Endorsement
VEL TECH,R N D.INST.SCIENCE & TECH.-CHENNAI
NOT VALID FOR PROHIBITED/RESTRICTED AND CANTONMENT AREAS
NOT VALID FOR EMPLOYMENT AND BUSINESS
प्रयोजन बदलने की अनुमति नहीं है / Change of Purpose Not Allowed.
IMMIGRATION - CHENNAI
A2 - 123
10 MAY 2017
ARRIVAL
AIRPORT, MUMBAI
VSINDOUARITINI<<NABIL<<<<<<<<<<<<<<<<<<<<<<<<
VJ8062890SDZA9406236M1708303FRAPO<1<<<<<<<<<<<<<<

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science And Technology

(Estd. u/s 3 of UGC Act, 1956)

Internship Offer Letter

Date: January 18, 20:

Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology (Veltech Dr. RR Dr. SR University), Chennai is pleased to offer Internship to Ms. Kaouthar El Hanouch as per t following details:

Name of the Student	Ms. Kaouthar El Hanouch
Affiliation	Polytech Orleans, France. Course: Energy Technologies, Aerospace & Motorization Engineering Degree.
Proposed Internship Period	10.05.2017 to 20.08.2017.
Internship Details	At Department of Aeronautical Engineering, Veltech.
Salary / Stipend	No salary / stipend will be paid by Veltech to the student.
Other Conditions	1. Veltech will waive the admission and tuition fees 2. Students will meet all the expenses related to travel, insurance, boarding & lodging at Chennai, incidentals, etc. 3. Students will pay to Veltech equivalent of 150 Euro per month in Indian Rupees for their food and lodging at Veltech Hostel. The entire amount for the full duration of stay shall be paid immediately on arrival. A part calendar month will be considered as a full month for charging purposes. The students are entitled to use Library and Sports facilities. 4. Students will follow the local rules and culture. 5. The entire program will be implemented in good faith to the benefit of all concerned.
Contact Person at Veltech	Mr. S. Sivaperumal, Director International Relations. E Mail:dint@veltechuniv.edu.in

The acceptance of the above Internship Offer may be communicated to us.

Dr.E.Kannan
Registrar

Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science And Technology
(Estd. u/s 3 of UGC Act,1956)
400 feet Outer Ring Road, Avadi, Chennai-600 062,
Tamil Nadu, India

I agree with the above conditions.

Signature of student:

Countersigned by Polytech Orleans:

POLYTECH ORLEANS

400 feet Outer Ring Road, Avadi,
Chennai-600 062, Tamil Nadu, India.
Toll Free : 1800 3070 6949
Email : vtu@veltechuniv.edu.in

वीज़ा
VISA

भारत गणराज्य REPUBLIC OF INDIA VJ 8062926

उपनाम /Surname
EL HANOUCH

नाम /Name
KAOUTHAR

पासपोर्ट संख्या /Passport No.
YC8375462

वीज़ा टाइप /Visa Type
S-6

पृष्ठों की संख्या /No. of Entries
SINGLE

जारी करने की तिथि /Date of Issue
11-05-2017

समाप्ति की तिथि /Date of Expiry
10-08-2017

IMMIGRATION INDIA
A122
ARRIVAL
16 MAY 2017
CSI AIRPORT, MUMBAI

विशेष पृष्ठांकन /Endorsement
VELTECH DR.RR AND SR-R.D IST, CHENNAI

NOT VALID FOR PROHIBITED/RESTRICTED AND CANTONMENT AREAS
REGISTRATION REQUIRED WITHIN 14 DAYS OF ARRIVAL IN INDIA IF STAY EXCEEDS 180 DAYS
NOT VALID FOR EMPLOYMENT AND BUSINESS

प्रयोजन बदलने की अनुमति नहीं है / Change of Purpose Not Allowed.

VSINDEL<HANOUCH<<KAOUTHAR<<<<<<<<<<<<<<<<<<<<
VJ8062926 7MAR9504279F1708303FRAP111<<<<<<<<<<

VEL TECH®
Dr.RR & Dr.SR
TECHNICAL UNIVERSITY
University u/s 3 of UGC Act, 1956
VEL TECH RANGARAJAN Dr.SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY
ACCREDITED BY NAAC WITH 'A' GRADE

23.04.2016

Admission for One Semester Course Work at Vel Tech

Ve l Tech Dr. RR & Dr. SR Technical University will offer admission to Mr. Nicolas SIMONNET from Polytech Orleans as per the following Terms:

Name of the Student	Mr. Nicolas SIMONNET
Affiliation	Studying First Year of Engineering at Polytech Orleans, France.
Semester Period	05th Semester of Civil Engineering Undergraduate program; all courses are in English. 27th June 2016 to 30th November 2016
Scholarship / Stipend	No Scholarship / stipend will be paid by Vel Tech to the student.
Other Conditions	1. Vel Tech will waive the admission and tuition fees, as a special case. 2. Student will meet all the expenses related to travel, insurance, boarding & lodging at Chennai, incidentals, etc. 3. Student will pay to Vel Tech equivalent of 80 Euro per month in Indian Rupees for food and lodging at Vel Tech Hostel. The entire amount for the full duration of stay shall be paid immediately on arrival. A part calendar month will be considered as a full month for charging purposes. The student is entitled to use Library and Sports facilities. 4. Student will follow the local rules and culture. 5. The entire program will be implemented in good faith to the benefit of all concerned.
Contact Person at Vel Tech	Dr. P. Sarasu, Director R&D. E Mail:vtu@veltechuniv.edu.in

The acceptance of the above Admission Offer may be communicated to us. Only after that other formalities will be taken up.

23/04/16

(Dr.E.Kannan)
Registrar

Dr. E. KANNAN
Registrar
Vel Tech Dr. RR & Dr. SR Technical University
Avadi, Chennai-600 062.

I agree with the above.
Signature of student: .....

Countersigned by Polytech Orleans: .....

Telefax : +91-44-26840605 E-mail: veltech@vsnl.com
Address : 42, Vel Nagar, Avadi-Vel Tech Road, Avadi, Chennai - 600 062. Tamilnadu, INDIA.
Website : www.veltechuniv.edu.in

Ref.No.37A/VTU-ST/03-2016/2000 Nos

Visas Visas Visas **Visas**

IMMIGRATION - INDIA
AE-054
14 JUL 2016
ARRIVAL
ANNA INT AIRPORT, CHENNAI

वीज़ा VISA भारत गणराज्य REPUBLIC OF INDIA VJ 7300184

VISA

उपनाम /Surname
SIMONNET

नाम /Name
NICOLAS AUGUSTE STANY





पासपोर्ट संख्या /Passport No.
16AY90669

वीज़ा टाईप /Visa Type
S

प्रवेशों की संख्या /No. of Entries
DOUBLE

जारी करने की तिथि/Date of Issue
07-07-2016

समाप्ति की तिथि/Date of Expiry
10-12-2016

विशेष पृष्ठांकन /Endorsement
VEL TEC TECHNICAL UNIVERSITY-CHENNAI.
NOT VALID FOR EMPLOYMENT AND BUSINESS
NOT VALID FOR PROHIBITED/RESTRICTED AND CANTONMENT AREAS

प्रयोजन बदलने की अनुमति नहीं है / Change of Purpose Not Allowed.

VSINDSIMONNET<<NICOLAS<AUGUSTE<STANY<<<<<<<<
VJ73001847FRA9503124M1612103FRAP156<<<<<<<<<<

ANNEXE 1 – FORMATION HORS PROGRAMME ERASMUS +

UNIVERSITE D'ORLEANS | Direction des Relations Internationales

FORMATION HORS EUROPE

Attestation de Présence - 2016 / 2017
Certificate of arrival

À FAIRE REMPLIR DÈS VOTRE ARRIVÉE ET À RETOURNER A la Direction des Relations Internationales

mobilite.he@univ-orleans.fr

Les dates indiquées doivent correspondre à votre 1er jour de présence obligatoire dans l'établissement d'accueil pour la date de début de séjour et à votre dernier jour de présence obligatoire dans l'établissement d'accueil (ex : fin de la période d'examens, de cours, et non de votre date de départ effective) pour la date de fin de séjour.
Ces deux dates conditionneront le montant de la bourse Mobi-Centre.

TO BE FILLED IN BY THE HOST UNIVERSITY UPON ARRIVAL OF THE STUDENT

« Nous confirmons que, dans le cadre du programme mentionné ci-dessus, Mme / M
"We hereby confirm that, in the framework of the above - mentioned program, Ms/Mr NICOLAS SIMMONET

S'est inscrit à (Nom de l'établissement) *has registered at (Name of the Institution)* VEL TECH Dr.RR & Dr.SR TECHNICAL UNIVERSITY (Pays) *(Country)* INDIA

pour réaliser le programme d'études prévu avec son université d'origine
to carry out the study programme agreed with the home university:

Pour le 1er semestre / *For the first semester* : « du/*from* 14 / 07 /2016 au/*to* 30 / 11 /2016 »[5th Semester in Host University]

Pour le second semestre / *For the second semester* : « du/*from* / /20 au/*to* / /20

(remplir les deux champs pour les étudiants partant un an)

Nom et statut de la personne autorisée dans l'établissement

Name and position of the authorized person at the host institution Dr. E. KANNAN, REGISTRAR

Lieu/*Place* : AVADI, CHENNAI

Date/*Date:* 18/7/2016.

Signature
Signature

18/07/16

Dr. E. KANNAN
Registrar
Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
Avadi, Chennai-600 062

Cachet de l'établissement/entreprise :
Stamp of the institution/company:

Dr. E. KANNAN
Registrar
Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
Avadi, Chennai-600 062.

TO BE FILLED IN BY THE STUDENT FROM UNIVERSITY OF ORLEANS

Je, Nicolas Simonnet soussigné(e)

- **reconnais avoir pris connaissance des dates ci-dessus mentionnées, qui déterminent la durée de mon séjour et le montant des aides financières correspondantes.**
- **m'engage à informer l'Université d'Orléans si je devais quitter mon établissement d'accueil avant la date de fin de séjour indiquée ci-dessus.**

Date et signature originale de l'étudiant(e) :

18/07/2016

Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science And Technology
(Estd. u/s 3 of UGC Act, 1956)

Date: 17th Feb 2017

Internship Offer Letter

Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology (Veltech Dr. RR & Dr. SR University), Chennai is pleased to offer Internship to Mr. Nader BERRO as per the following details:

Name of the Student	Mr. Nader BERRO
Affiliation	Polytech Orleans, France Studying: Energy, Aerospace & Mechanics Degree
Proposed Internship Period	09.05. 2017 to 18.08.2017
Internship Details	Department of Aeronautical Engineering; At Veltech
Salary / Stipend	No salary / stipend will be paid by Veltech to the student.
Other Conditions	1. Veltech will waive the admission and tuition fees 2. Students will meet all the expenses related to travel, insurance, boarding & lodging at Chennai, incidentals, etc. 3. Students will pay to Veltech equivalent of 150 Euro per month in Indian Rupees for their food and lodging at Veltech Hostel. The entire amount for the full duration of stay shall be paid immediately on arrival. A part calendar month will be considered as a full month for charging purposes. The students are entitled to use Library and Sports facilities. 4. Students will follow the local rules and culture. 5. The entire program will be implemented in good faith to the benefit of all concerned.
Contact Person at Veltech	Mr. S. Sivaperumal, Director International Relations. E Mail: dint@veltechuniv.edu.in

The acceptance of the above Internship Offer may be communicated to us.

Dr.E.Kannan
Registrar

Prof. Dr. E. Kannan
Registrar

Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science And Technology
(Estd. u/s 3 of UGC Act, 1956)
400 Feet Outer Ring Road,Avadi, Chennai-600 062.
Tamil Nadu, India

Countersigned with seal by: Polytech Orleans.

POLYTECH ORLEANS
The Engineering School of
the University of Orleans
International office, Site Galilée
12, rue de Blois BP 6744
45067 ORLEANS Cedex 2 - FRANCE

I agree with the above conditions.

Signature of student:

400 feet Outer Ring Road, Avadi,
Chennai-600 062, Tamil Nadu, India.
Toll Free : 1800 3070 6949
Email : vtu@veltechuniv.edu.in
Website : www.veltechuniv.edu.in



वीज़ा VISA भारत गणराज्य REPUBLIC OF INDIA VJ 8060706

VISA

उपनाम /Surname
BERRO
नाम /Name
NADER
पासपोर्ट संख्या /Passport No.
LR0013215
वीज़ा टाईप /Visa Type
S
प्रवेशों की संख्या /No. of Entries
DOUBLE 1/2
जारी करने की तिथि/Date of Issue
20-04-2017
समाप्ति की तिथि/Date of Expiry
28-08-2017
विशेष पृष्ठांकन /Endorsement
VEL TECH,R N D.INST.SCIENCE.TECH-CHENNAI
NOT VALID FOR PROHIBITED/RESTRICTED AND CANTONMENT AREAS
NOT VALID FOR EMPLOYMENT AND BUSINESS
प्रयोजन बदलने की अनुमति नहीं है / Change of Purpose Not Allowed.

VSINDBERRO<<NADER<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<
VJ80607065FRA9410109M1708288FRAP130<<<<<<<<<<

Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science And Technology
(Estd. u/s 3 of UGC Act, 1956)

Date: January 18, 2017

Internship Offer Letter

Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology (Veltech Dr. RR & Dr. SR University), Chennai is pleased to offer Internship to Mr. Matthieu Jean Robert Fontaine as per the following details:

Name of the Student	Mr. Matthieu Jean Robert Fontaine
Affiliation	Polytech Orleans, France. Course: Energy, Aerospace & Engine Power Engineering Degree.
Proposed Internship Period	09.05.2017 to 18.08.2017.
Internship Details	At Department of Mechanical Engineering, Veltech.
Salary / Stipend	No salary / stipend will be paid by Veltech to the student.
Other Conditions	1. Veltech will waive the admission and tuition fees 2. Students will meet all the expenses related to travel, insurance, boarding & lodging at Chennai, incidentals, etc. 3. Students will pay to Veltech equivalent of 150 Euro per month in Indian Rupees for their food and lodging at Veltech Hostel. The entire amount for the full duration of stay shall be paid immediately on arrival. A part calendar month will be considered as a full month for charging purposes. The students are entitled to use Library and Sports facilities. 4. Students will follow the local rules and culture. 5. The entire program will be implemented in good faith to the benefit of all concerned.
Contact Person at Veltech	Mr. S. Sivaperumal, Director International Relations. E Mail:dint@veltechuniv.edu.in

The acceptance of the above Internship Offer may be communicated to us.

Dr.E.Kannan
Registrar

Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science And Technology
400 feet Outer Ring Road, Avadi, Chennai 600 062.
Tamil Nadu, India

I agree with the above conditions.

Signature of student:

Countersigned by Polytech Orleans:

POLYTECH ORLEANS
The Engineering School of
the University of C
International office, S
12 rue de Blois B
45067 ORLEANS Cedex 2 FRANCE

400 feet Outer Ring Road, Avadi,
Chennai-600 062, Tamil Nadu, India.
Toll Free : 1800 3070 6949
Email : vtu@veltechuniv.edu.in
Website : www.veltechuniv.edu.in

RÉPUBLIQUE FRANÇAISE
Passeport
17AA37068 9

Union européenne
Unión europea / Den europæiske union
Europäische Gemeinschaft / Ευρωπαϊκή Ένωση
European Union / An tAontas Eorpach
Unione europea / Europese unie / União europeia
Euroopan unioni / Europeiska unionen
République française
República francesa / Den franske republik
Französische Republik / Γαλλική Δημοκρατία
The French Republic / Poblacht na Fraince
Repubblica francese / Republiek Frankrijk
República francesa / Ranskan tasavalta
Republiken Frankrike
Passeport
Pasaporte / Pas / Reisepass / Διαβατήριο
Passport / Pas / Passaporte / Paspoort
Passaporte / Pass / pass

Page réservée aux autorités compétentes pour délivrer le passeport
Página reservada a las autoridades competentes para expedir el pasaporte
Stránka vyhrazená příslušným orgánům
Side forbeholdt de kompetente myndigheder
Seite für die zuständigen Behörden
Σελίδα προορισμένη για τις αρμόδιες αρχές
Page réservée aux autorités compétentes
Leathanaigh in áirithe d'údaráis cheanna
Pagina riservata alle autorità
Ομweis-gen van bevoegde instanties
Página reservada às autoridades competentes
pare vanir a pasaporte / Vietatu passmannskrononnelle
Rāzeltalist utlämnande myndighet
Ce passeport contient un composant électronique
Il convient d'en prendre soin, et en particulier de ne pas le plier, le perforer, l'exposer à des températures extrêmes ou à une humidité excessive
This passport contains sensitive electronics
For best performance please do not bend, perforate or expose to extreme temperatures or excess moisture
Signature du titulaire/Holder's signature

RÉPUBLIQUE FRANÇAISE
PASSEPORT
PASSPORT
Type/Type
P
Code du pays/Country code
FRA
Passeport n°
17AA37068
Nom/Surname (1)
FONTAINE
Prénoms/Given names (2)
Matthieu Jean Robert
Nationalité/Nationality
Française
Sexe/Sex
M
Taille/Height (12)
1,77 m
Couleur des yeux/Colour of eyes (13)
MARRON-VERT
Date de naissance/Date of birth (4)
12 03 1993
Lieu de naissance/Place of birth (5)
LE MANS
Date d'expiration/Date of expiry (9)
08 01 2027
Autorité/Authority (8)
Préfecture de la Sarthe LE MANS
Domicile/Address (11)
56 TRACE DES ANCIENS COMBATTANTS
72160 OUDVET
FRANCE
P<FRAFONTAINE<<MATTHIEU<JEAN<ROBERT<<<<<<<<<
17AA370680FRA9503124M2701080<<<<<<<<<<<<<04

Visas Visas Visas Visas

IMMIGRATION INDIA
A2 - 016
07 MAY 2017
ARRIVAL
CSI AIRPORT, MUMBAI
A016
A016

ASIT

वीज़ा VISA भारत गणराज्य REPUBLIC OF INDIA VJ 8060708

VISA

1/2

उपनाम /Surname
FONTAINE
नाम /Name
MATTHIEU JEAN ROBERT
पासपोर्ट संख्या /Passport No.
17AA37068
वीज़ा टाईप /Visa Type
S
प्रवेशों की संख्या /No. of Entries
DOUBLE
जारी करने की तिथि/Date of Issue
20-04-2017
समाप्ति की तिथि/Date of Expiry
28-08-2017
विशेष पृष्ठांकन /Endorsement
VEL TECH,R N D.INST.SCIENCE.TECH-CHENNAI
NOT VALID FOR PROHIBITED/RESTRICTED AND CANTONMENT AREAS
NOT VALID FOR EMPLOYMENT AND BUSINESS
प्रयोजन बदलने की अनुमति नहीं है / Change of Purpose Not Allowed.

VSINDFONTAINE<<MATTHIEU<JEAN<ROBERT<<<<<<<<<
VJ80607087FRA9503124M1708288FRAP130<<<<<<<<<

Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science And Technology
(Estd. u/s 3 of UGC Act, 1956)

Admission Letter

Date: **13th April 2017**

To
Mr. Clement THAUVIN
Student, Polytech Orleans, France.

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, University u/s 3 of UGC Act, (Veltech Dr. RR & Dr. SR University), Chennai is pleased to offer Admission to you for undertaking a course related project work under the guidance of its Faculty as a non – degree seeking Academic Exchange Student. Further details are as given below:

Student's Affiliation	Polytech Orleans, France Studying: Technologies for Energy, Aerospace & Engines Engineering Diploma.
Proposed Period	08.05.2017 to 20.08.2017
Program details	Course related project work at Department of Aeronautical Engineering at Veltech campus.
Passport Details	Family Name: THAUVIN Given Name: Clement Jean Louis Pierre Passport No.: 17CC86390 Expiry Date: 02.04.2027 Nationality: France.
Salary / Stipend	No salary / stipend will be paid by Veltech to you.
Other Conditions	1. Veltech will waive the admission and tuition fees 2. You will meet all the expenses related to travel, insurance, boarding & lodging at Chennai, incidentals, etc. 3. You will pay to Veltech equivalent of 150 Euro per month in Indian Rupees for food and lodging at Veltech Hostel. The entire amount for the full duration of stay shall be paid immediately on arrival. A part calendar month will be considered as a full month for charging purposes.
Contact Person at Veltech	Mr. S. Sivaperumal, Director International Relations. E Mail: dint@veltechuniv.edu.in

13/04/17

(Dr.E.Kannan)
Registrar

Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science And Technology
(Estd. u/s 3 of UGC Act,1956)
400 feet Outer Ring Road, Avadi, Chennai-600 062.
Tamil Nadu, India

Veltech Dr. RR & Dr. SR University
Chennai • 1997 • India

400 feet Outer Ring Road, Avadi,
Chennai-600 062, Tamil Nadu, India.
Toll Free : 1800 3070 6949
Email : vtu@veltechuniv.edu.in
Website : www.veltechuniv.edu.in

Visas Visas Visas Visas

ANNA INT AIRPORT CHENNAI
ARRIVAL
17 MAY 2017
A3-080
IMMIGRATION INDIA
A0 80 A0

चौदा VISA भारत गणराज्य REPUBLIC OF INDIA VJ 8061876

VISA

उपनाम /Surname
THAUVIN
नाम /Name
CLEMENT JEAN LOUIS PIERRE
पासपोर्ट संख्या /Passport No. 17CC86390
वीज़ा टाईप /Visa Type S-6
प्रवेशों की संख्या /No. of Entries DOUBLE
जारी करने की तिथि/Date of Issue 03-05-2017
समाप्ति की तिथि/Date of Expiry 30-08-2017
विशेष पृष्ठांकन /Endorsement
VEL TECH UNIVERSITY - CHENNAI
NOT VALID FOR PROHIBITED/RESTRICTED AND CANTONMENT AREAS
NOT VALID FOR EMPLOYMENT AND BUSINESS
प्रयोजन बदलने की अनुमति नहीं है / Change of Purpose Not Allowed.

VSINDTHAUVIN<<CLEMENT<JEAN<LOUIS<PIERRE<<<<<
VJ80618764FRA9509296M1708303FRAP119<<<<<<<<<

Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science And Technology
(Estd. u/s 3 of UGC Act, 1956)

Date: 3rd April 2017

Admission Letter

To
Mr. Naim REKIK,
Student, Polytech Orleans, France

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, University u/s 3 of UGC Act, (Veltech Dr. RR & Dr. SR University), Chennai is pleased to offer Admission to you for undertaking a course related project work under the guidance of its Faculty as a non – degree seeking Academic Exchange Student.
Further details are as given below:

Student's Affiliation	Polytech Orleans, France Studying: Technology for Energy, Aerospace & Engines Engineering Diploma
Proposed Period	08.05.2017 to 05.08.2017.
Program details	Course related project work at Department of Aeronautical Engineering at Veltech campus.
Passport Details	Passport No.: 16DP91180 Expiry Date: 27.06.2026 Nationality: France
Salary / Stipend	No salary / stipend will be paid by Veltech to you.
Other Conditions	1. Veltech will waive the admission and tuition fees 2. You will meet all the expenses related to travel, insurance, boarding & lodging at Chennai, incidentals, etc. 3. You will pay to Veltech equivalent of 150 Euro per month in Indian Rupees for food and lodging at Veltech Hostel. The entire amount for the full duration of stay shall be paid immediately on arrival. A part calendar month will be considered as a full month for charging purposes.
Contact Person at Veltech	Mr. S. Sivaperumal, Director International Relations. E Mail:dint@veltechuniv.edu.in

(Dr.E.Kannan)
Registrar

Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science And Technology
(Estd. u/s 3 of UGC Act,1956)
400 feet Outer Ring Road, Avadi, Chennai-600 062.
Tamil Nadu, India.

400 feet Outer Ring Road, Avadi,
Chennai-600 062, Tamil Nadu, India.
Toll Free : 1800 3070 6949
Email : vtu@veltechuniv.edu.in
Website : www.veltechuniv.edu.in

Visas Visas Visas Visas

IMMIGRATION INDIA
A080
17 MAY 2017
ARRIVAL
ANNA INT AIRPORT, CHENNAI
A080
A3-000

ASIE

वीज़ा VISA भारत गणराज्य REPUBLIC OF INDIA VJ 8060597

VISA

उपनाम /Surname
REKIK
नाम /Name
NAIM



पासपोर्ट संख्या/Passport No.
16DP91180

वीज़ा टाईप /Visa Type
S

प्रवेशों की संख्या/No. of Entries
DOUBLE



जारी करने की तिथि/Date of Issue
20-04-2017

समाप्ति की तिथि/Date of Expiry
28-08-2017

विशेष पृष्ठांकन /Endorsement
VELTECH I.S.T.CHENNAI.
NOT VALID FOR PROHIBITED/RESTRICTED AND CANTONMENT AREAS
NOT VALID FOR EMPLOYMENT AND BUSINESS

प्रयोजन बदलने की अनुमति नहीं है / Change of Purpose Not Allowed.

VSINDREKIK<<NAIM<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<
VJ80605979FRA9509230M1708288FRAP130<<<<<<<<<<

POLYTECH ORLÉANS
École d'Ingénieurs de l'Université d'Orléans

BREI/FM/2018-101

Orléans, 23rd of May 2018

To whom it may concern,

I undersigned, Philippe DEVINANT, Director of the International Relations Office at Polytech Orleans, the engineering school of the University of Orleans, certify that **Anvesh KATTA,** is currently registered in our department of Technologies for Energy, Aerospace and Engine during the spring semester 2018.

He is awarded with the grade 12/20 for his project: Q Blade Software Application Project.

The required grade to pass a course is 10/20.



Philippe DEVINANT
Director of the International Relations Office
Polytech Orleans

UNIVERSITE D'ORLEANS
POLYTECH
École polytechnique de l'université d'Orléans
Premier réseau français des écoles d'ingénieurs polytechniques des universités
8 rue Léonard de Vinci
45072 Orléans cedex 2
France
Tél. +33 (0)2 38 41 70 50
Fax. +33 (0)2 38 41 70 63

POLYTECH ORLÉANS
École d'Ingénieurs de l'Université d'Orléans

BREI/FM/2018-100

Orléans, 23rd of May 2018

To whom it may concern,

I undersigned, Philippe DEVINANT, Director of the International Relations Office at Polytech Orleans, the engineering school of the University of Orleans, certify that **Pradeep Kumar,** is currently registered in our department of Technologies for Energy, Aerospace and Engine during the spring semester 2018.

He is awarded with the grade 12/20 for his project: Q Blade Software Application Project.

The required grade to pass a course is 10/20.



Philippe DEVINANT
Director of the International Relations Office
Polytech Orleans

UNIVERSITE D'ORLEANS
POLYTECH
École polytechnique de l'université d'Orléans
Premier réseau français des écoles d'ingénieurs polytechniques des universités
8 rue Léonard de Vinci
45072 Orléans cedex 2
France
Tél. +33 (0)2 38 41 70 50
Fax. +33 (0)2 38 41 70 63

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Date: 17 MAR 2018

Admission Letter

To
Mr. Jaouad HAJJAJI,
Student, Polytech Orleans, France.

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Deemed to be University u/s 3 of UGC Act, Chennai is pleased to offer Admission to you for undertaking a Course Related Project Work under the guidance of its Faculty as a non – degree seeking Academic Exchange Student.

Further details are as given below:

Student's Affiliation	Polytech Orleans, France Studying: Energy, Motorization & Aerospace Technologies.
Proposed Period	07.05.2018 to 24.08.2018
Program details	Course Related Project Work at Department of Aeronautical Engineering at Vel Tech campus.
Passport Details	Passport No.: 15CT95967; Expiry Date: 06.10.2025; Nationality: French.
Salary / Stipend	No salary / stipend will be paid by Vel Tech.
Other Conditions	1. Vel Tech will waive the admission and tuition fees 2. You will meet all the expenses related to travel, insurance, boarding & lodging at Chennai, incidentals, etc. 3. You will pay to Vel Tech equivalent of 150 Euro per month in Indian Rupees for food and lodging at Vel Tech Hostel. The entire amount for the full duration of stay shall be paid immediately on arrival. A part calendar month will be considered as a full month for charging purposes.
Contact Person at Vel Tech	Dr. S. Sivaperumal, Director International Relations. E Mail: dint@veltech.edu.in

17/03/18

(Dr.E.Kannan)
Registrar

Prof. Dr. E. Kannan
Registrar

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

400 Feet Outer Ring Road, Avadi,
Chennai-600 062. Tamil Nadu, India.
Toll Free : 1800 3070 6949
Landline : +044 2684 0262 / 2684 0605
Email : vtu@veltechuniv.edu.in
Website :www.veltechuniv.edu.in

Visas Visas Visas Visas

CSI AIRPORT MUMBAI
ARRIVAL
02 MAY 2018
IMMIGRATION INDIA
A164
A2 - 164

वीज़ा VISA भारत गणराज्य REPUBLIC OF INDIA VK 4163848

VISA

उपनाम /Surname
HAJJAJI
नाम /Name
JAOUAD
पासपोर्ट संख्या /Passport No.
15CT95967
वीज़ा टाईप /Visa Type
S-6
प्रवेशों की संख्या /No. of Entries
DOUBLE
जारी करने की तिथि/Date of Issue
19-04-2018
समाप्ति की तिथि/Date of Expiry
03-09-2018
विशेष पृष्ठांकन /Endorsement
VEL TECH UNIVERSITY-CHENNAI
NOT VALID FOR PROHIBITED/RESTRICTED AND CANTONMENT AREAS
NOT VALID FOR EMPLOYMENT AND BUSINESS
प्रयोजन बदलने की अनुमति नहीं है / Change of Purpose Not Allowed.





VSINDHAJJAJI<<JAOUAD<<<<<<<<<<<<<<<<<<<<<<<<
VK41638485FRA9606047M1809037FRAP137<<<<<<<<<

Certificate of attendance – End of internship

HOST ORGANIZATION

Name: Vel Tech University

Address: 400 feet Outer Ring Road, Avadi, Chennai, Tamil Nadu 600 062

☎: 044 33 87 00 55

email: dint@veltech.edu.in

certify that

THE INTERN

Last name: HAJJAJI First name: Jaouad

Sex: F☐ M☒ Date of Birth: /04/06/1996

☎: +33 7 61 53 21 57 email: jaouad.hajjaji@etu.univ-orleans.fr

Speciality : Energy, Aerospace and Motorization **to Polytech Orleans**

Made a placement in our institution / company

Dates: From 07/05/2018 To 24/08/2018

Representing a **total duration** of 16 (Number of Weeks /Months(cross out the inappropriate item))

THE AMOUNT OF THE STIPEND €.....0.....per hour / day / month (*cross out any inappropriate items*)

Date

Signature from company (stamp)

Dr. S. Sivaperumal
Director International Relations
Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

UNIVERSITE D'ORLEANS | Direction des Relations Internationales

STAGE EN OU HORS EUROPE

Attestation de fin de stage - 2017/ 2018

Certificate of departure

À FAIRE COMPLETER EN FIN DE STAGE

ET À RETOURNER au BRI ou Bureau des stages de votre UFR, École, Institut avant **le 15/10/2018**

TO BE FILLED IN BY THE HOST INSTITUTION / COMPANY UPON ARRIVAL OF THE STUDENT

« Nous confirmons que Monsieur HAJJAJI Jaouad
"We hereby confirm, that Mr. HAJJAJI Jaouad

Etudiant de l'université d'Orléans effectue un stage dans notre l'établissement/entreprise : Vel Tech Université
student from the University of Orleans is performing an internship in our institution / company: Vel Tech University

« Du / *from* 07 / 05 /2018 Au / *to* 24 / 08 / 2018 ».

☐ Stage rémunéré : Montant : 0
The placement is paid: Amount 0

☒ Stage non rémunéré
The placement is not paid

Lieu / *Place* : Vel Tech University

Date / *Date* : 21/08/2018

Nom et statut de la personne autorisée dans l'établissement/entreprise d'accueil : Dr. S. Sivaperumal
Name and position of the authorized person at the host institution/company: Director International Relations.

Dr. S. Sivaperumal
Director International Relations

Signature
Signature

Cachet de l'établissement/entreprise :
Stamp of the institution/company:

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

TO BE FILLED IN BY THE STUDENT FROM UNIVERSITY OF ORLEANS

Je, soussigné Monsieur HAJJAJI Jaouad, reconnais avoir pris connaissance des dates ci-dessus mentionnées, qui déterminent la durée de mon séjour et le montant des aides financières correspondantes.

Date et signature originale de l'étudiant(e) :

21/08/2018

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Date: 15 MAR 2018

Admission Letter

To
Mr. Florent Kevin RENEAUD,
Student, Polytech Orleans, France.

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Deemed to be University u/s 3 of UGC Act, Chennai is pleased to offer Admission to you for undertaking a Course Related Project Work under the guidance of its Faculty as a non – degree seeking Academic Exchange Student.

Further details are as given below:

Student's Affiliation	Polytech Orleans, France Studying: Fluid Dynamics, Energetics, Engine Control & Combustion.
Proposed Period	07.05.2018 to 24.08.2018
Program details	Course Related Project Work at Department of Aeronautical Engineering at Vel Tech campus.
Passport Details	Passport No.: 17EA40038; Expiry Date: 06.09.2027; Nationality: French.
Salary / Stipend	No salary / stipend will be paid by Vel Tech.
Other Conditions	1. Vel Tech will waive the admission and tuition fees 2. You will meet all the expenses related to travel, insurance, boarding & lodging at Chennai, incidentals, etc. 3. You will pay to Vel Tech equivalent of 150 Euro per month in Indian Rupees for food and lodging at Vel Tech Hostel. The entire amount for the full duration of stay shall be paid immediately on arrival. A part calendar month will be considered as a full month for charging purposes.
Contact Person at Vel Tech	Dr. S. Sivaperumal, Director International Relations. E Mail: dint@veltech.edu.in

(Dr.E.Kannan)
Registrar

Dr. E. KANNAN
Registrar
Vel Tech Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
Avadi, Chennai-600 062.

400 Feet Outer Ring Road, Avadi,
Chennai-600 062. Tamil Nadu, India.
Toll Free : 1800 3070 6949
Landline : +044 2684 0262 / 2684 0605
Email : vtu@veltechuniv.edu.in
Website :www.veltechuniv.edu.in

Visas Visas Visas Visas

IMMIGRATION INDIA
AZ - 166
03 MAY 2018
ARRIVAL
CSI AIRPORT, MUMBAI

वीज़ा VISA भारत गणराज्य REPUBLIC OF INDIA VK 4163807

VISA

उपनाम /Surname
RENEAUD
नाम /Name
FLORENT KEVIN
पासपोर्ट संख्या/Passport No. 17EA40038
वीज़ा टाईप /Visa Type S-6
प्रवेशों की संख्या /No. of Entries DOUBLE





जारी करने की तिथि/Date of Issue 19-04-2018
समाप्ति की तिथि/Date of Expiry 03-09-2018
विशेष पृष्ठांकन /Endorsement
VEL TECH.INST.SCIENCE AND TECH.-CHENNAI
REGISTRATION REQUIRED WITHIN 14 DAYS OF ARRIVAL IN INDIA IF STAY EXCEEDS 180 DAYS
NOT VALID FOR PROHIBITED/RESTRICTED AND CANTONMENT AREAS
NOT VALID FOR EMPLOYMENT AND BUSINESS
प्रयोजन बदलने की अनुमति नहीं है / Change of Purpose Not Allowed.

VSINDRENEAUD<<FLORENT<KEVIN<<<<<<<<<<<<<<<<<<
VK41638072FRA9505151M1809037FRAP137<<<<<<<<<<

UNIVERSITE D'ORLEANS | Direction des Relations Internationales

STAGE EN OU HORS EUROPE

Attestation de fin de stage - 2017/ 2018

Certificate of departure

À FAIRE COMPLETER EN FIN DE STAGE

ET À RETOURNER au BRI ou Bureau des stages de votre UFR, École, Institut avant **le 15/10/2018**

TO BE FILLED IN BY THE HOST INSTITUTION / COMPANY UPON ARRIVAL OF THE STUDENT

« Nous confirmons que Monsieur RENEAUD Florent
"We hereby confirm, that Mr. RENEAUD Florent

Etudiant de l'université d'Orléans effectue un stage dans notre l'établissement/entreprise : Vel Tech Université
student from the University of Orleans is performing an internship in our institution / company: Vel Tech University

« Du / *from* 07 / 05 /2018 Au / *to* 24 / 08 / 2018 ».

☐ Stage rémunéré : Montant : 0
The placement is paid: Amount 0

☒ Stage non rémunéré
The placement is not paid

Lieu / *Place* : Avadi
Vel Tech University

Date / *Date* : 20/08/18

Nom et statut de la personne autorisée dans l'établissement/entreprise d'accueil : Dr. S. Sivaperumal
Name and position of the authorized person at the host institution/company: Director International Relations

Signature
Signature

Cachet de l'établissement/entreprise :
Stamp of the institution/company:

Dr. S. Sivaperumal
Director International Relations
Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
Deemed to be University u/s 3 of UGC Act, 1956

TO BE FILLED IN BY THE STUDENT FROM UNIVERSITY OF ORLEANS

Je, soussigné Monsieur RENEAUD Florent, reconnais avoir pris connaissance des dates ci-dessus mentionnées, qui déterminent la durée de mon séjour et le montant des aides financières correspondantes.

Date et signature originale de l'étudiant(e) :

20/08/18

Certificate of attendance – End of internship

HOST ORGANIZATION

Name: Vel Tech University

Address: 400 Feet Outer ring road, Avadi, Chennai, Tamil Nadu 600062

☎: 044 33 87 00 55

email: dint@vel tech.edu.in

certify that

THE INTERN

Last name RENEAUD First name: Florent

Sex: F☐ M☒ Date of Birth: /15/05/1995

☎: 0777002532 email: reneaud.florent@gmail.com

Speciality : TEAM **to Polytech Orleans**

Made a placement in our institution / company

Dates: From 07/05/18 To 29/08/18

Representing a **total duration** of 16 (Number of Weeks /Months(cross out the inappropriate item))

THE AMOUNT OF THE STIPEND €0 per hour / day / month (*cross out any inappropriate items*)

Date

Signature from company (stamp)

Dr. S. Sivaperumal
Director International Relations

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Admission Letter

Date: 13 MAR 2018

To
Mr. Mikael RAHBANI,
Student, Polytech Orleans, France.

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Deemed to be University u/s 3 of UGC Act, Chennai is pleased to offer Admission to you for undertaking a Course Related Project Work under the guidance of its Faculty as a non – degree seeking Academic Exchange Student.

Further details are as given below:

Student's Affiliation	Polytech Orleans, France Studying: Technology for Energy, Aerospace & Motorization.
Proposed Period	04.05.2018 to 27.07.2018
Program details	Course Related Project Work at Department of Aeronautical Engineering at Vel Tech campus.
Passport Details	Passport No.: RL 2049839; Expiry Date: 08.07.2019 Nationality: Lebanese.
Salary / Stipend	No salary / stipend will be paid by Vel Tech.
Other Conditions	1. Vel Tech will waive the admission and tuition fees 2. You will meet all the expenses related to travel, insurance, boarding & lodging at Chennai, incidentals, etc. 3. You will pay to Vel Tech equivalent of 150 Euro per month in Indian Rupees for food and lodging at Vel Tech Hostel. The entire amount for the full duration of stay shall be paid immediately on arrival. A part calendar month will be considered as a full month for charging purposes.
Contact Person at Vel Tech	Dr. S. Sivaperumal, Director International Relations. E Mail: dint@veltech.edu.in

13/03/18

(Dr.E.Kannan)
Registrar

Prof. Dr. E. Kannan
Registrar
Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
Deemed to be University Estd. u/s 3 of UGC Act, 1956

400 Feet Outer Ring Road, Avadi,
Chennai-600 062. Tamil Nadu, India.
Toll Free : 1800 3070 6949
Landline : +044 2684 0262 / 2684 0605
Email : vtu@veltechuniv.edu.in
Website :www.veltechuniv.edu.in

26

VISAS / التأشيرات

٢٦

वीज़ा VISA भारत गणराज्य REPUBLIC OF INDIA VK 4164374

VISA

उपनाम /Surname
RAHBANI

नाम /Name
MIKAEL

पासपोर्ट संख्या /Passport No.
RL2049839

वीज़ा टाईप /Visa Type
S-6

प्रवेशों की संख्या /No. of Entries
SINGLE



जारी करने की तिथि/Date of Issue
25-04-2018

समाप्ति की तिथि/Date of Expiry
06-08-2018



विशेष पृष्ठांकन /Endorsement
VEL TECH.INST.SCIENCE AND TECH.-CHENNAI

NOT VALID FOR PROHIBITED/RESTRICTED AND CANTONMENT AREAS
NOT VALID FOR EMPLOYMENT AND BUSINESS

प्रयोजन बदलने की अनुमति नहीं है / Change of Purpose Not Allowed.

IMMIGRATION INDIA
A3-063
A063
03 MAY 2018
ARRIVAL
AIRPORT CHENNAI

VSINDRAHBANI<<MIKAEL<<<<<<<<<<<<<<<<<<<<<<<<<

VK41643746LBN9506033M1808063FRAP103<<<<<<<<<

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Admission Letter

Date: 13 MAR 2018

To
Mr. Kee Sheng TING,
Student, Polytech Orleans, France.

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Deemed to be University u/s 3 of UGC Act, Chennai is pleased to offer Admission to you for undertaking a Course Related Project Work under the guidance of its Faculty as a non – degree seeking Academic Exchange Student.

Further details are as given below:

Student's Affiliation	Polytech Orleans, France Studying: Technology for Energy, Aerospace & Engine.
Proposed Period	04.05.2018 to 27.07.2018
Program details	Course Related Project Work at Department of Aeronautical Engineering at Vel Tech campus.
Passport Details	Passport No.: K40653838; Expiry Date: 11.01.2023; Nationality: Malaysia.
Salary / Stipend	No salary / stipend will be paid by Vel Tech.
Other Conditions	1. Vel Tech will waive the admission and tuition fees 2. You will meet all the expenses related to travel, insurance, boarding & lodging at Chennai, incidentals, etc. 3. You will pay to Vel Tech equivalent of 150 Euro per month in Indian Rupees for food and lodging at Vel Tech Hostel. The entire amount for the full duration of stay shall be paid immediately on arrival. A part calendar month will be considered as a full month for charging purposes.
Contact Person at Vel Tech	Dr. S. Sivaperumal, Director International Relations. E Mail: dint@veltech.edu.in

13/03/18

(Dr.E.Kannan)
Registrar

Prof. Dr. E. Kannan
Registrar

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

400 Feet Outer Ring Road, Avadi,
Chennai-600 062. Tamil Nadu, India.
Toll Free : 1800 3070 6949
Landline : +044 2684 0262 / 2684 0605
Email : vtu@veltechuniv.edu.in
Website :www.veltechuniv.edu.in

Ref no: L3/10000

IMMIGRATION INDIA
A3-063
03 MAY 2018
ARRIVAL
ANNA INT AIRPORT, CHENNAI

Visa/Visas

वीज़ा VISA भारत गणराज्य REPUBLIC OF INDIA VK 4163849

VISA

उपनाम /Surname
TING
नाम /Name
KEE SHENG



पासपोर्ट संख्या /Passport No.
K40653838

वीज़ा टाईप /Visa Type
S-6

प्रवेशों की संख्या /No. of Entries
DOUBLE



जारी करने की तिथि/Date of Issue
19-04-2018

समाप्ति की तिथि/Date of Expiry
04-08-2018

विशेष पृष्ठांकन /Endorsement
VEL TECH UNIVERSITY-CHENNAI
NOT VALID FOR PROHIBITED/RESTRICTED AND CANTONMENT AREAS
NOT VALID FOR EMPLOYMENT AND BUSINESS

प्रयोजन बदलने की अनुमति नहीं है / Change of Purpose Not Allowed.

VSINDTING<<KEE<SHENG<<<<<<<<<<<<<<<<<<<<<<<<<<<<
VK41638496MYS9404069M1808041FRAP107<<<<<<<<<<

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

School of Mechanical & Construction

Department of Automobile Engineering

Specialized one credit course on

"Analysis of Automotive Components using Mat lab"

(1157AU904)

by

Prof. Dr. Thomas Sayet

Polytech Orleans, France

POLYTECH
ORLÉANS

Held on

Date: March 5 to 9, 2018

Thomas SAYET

Associate professor

PRISME Laboratory - Polytech'Orléans
8, rue Léonard de Vinci. Orléans, 45000
+33 (6) 13 37 86 65
+33 (2) 38 56 78 23
FAX +33 (2) 38 41 73 83
thomas.sayet@univ-orleans.fr
https://www.linkedin.com/in/thomassayet/



"We learn by teaching" - James Howell

Education

2010–2014 **Ph.D degree**, *Ecole Nationale Superieure des Mines & Ecole Nationale d'Ingenieurs*, *Engineering school*, Saint-Etienne.
Supervisors: Professor Jean-Michel Bergheau & Professor Jean-Baptiste Leblond

2009–2010 **Master's degree «Science for engineers»**, *University of Pierre and Marie Curie*, Paris.
Specialized in modelling and simulation of structures and materials

2006–2009 **Engineer**, *ENS de Cachan & University of Pierre and Marie Curie*, Paris.
Specialized in mechanics of materials

2003–2006 **Bachelor «Science and technology for the engineer»**, *University of Franche comte*, Besançon.
Specialized in mechanics

Experience

Research and development

2015–Present **Associate professor**, PRISME, POLYTECH'Orléans, Orléans.
Mechanics of heterogeneous materials department.
Research topics
- modelling of welding process
- Reactive impregnation modelling
- Ceramic/refractory high temperature modelling
- Biomechanics (bone and skin).

Academic responsibilities
- Head of the international relations for the ICM department.

2014–2015 **Research engineer**, LTDS, ENISE, Saint-Etienne.
In charge of the FOST projet «Operational safety brakes for winches» : Administrative management, experimental and numerical modelling, metrological measurement and materials characterization.

2013–2014 **Temporary lecturer and research**, ENISE, Saint-Etienne.
Numerical modelling of multi-physics coupling in the welding process.

2010–2013 **R&D Engineer**, ESI Group, Lyon.
Development of a hybrid welding option in «Sysweld». Numerical simulation of welding, coupling of the fluid flows in the weld pool with the deformations of the solid part. A 3D CA-FE model implementaion, able to predict the microstructure of the weld bead.

Teaching

2011–Present **Lecturer for undergraduate and graduate students**.

- Solid mechanics
  - Statics, kinematics, Kinetics, Dynamics
- Mechanics of continuous media
- Computational solid mechanics
- Finite element method
- LaTeX for technical and scientific documentation
- Mathematics for engineer
- Numerical methods
- Applied mechanics, modelling and simulation
- Process modelling
- Mathematics, probability and statistics
- Indeformable solid mechanics.

Extra-Professional Activities

2014 **Organizing committee**, *ICOMP «International Conference on COmputational methods in Manufacturing Processes*.

2011–2013 **President of the association of young researchers in Saint-Etienne**, *Ph.D student rights and vocational integration*.

2011–2014 **Representative of PhD students**, *Disciplinary council at the ENISE*.

2011–2014 **Organizing committee**, *national symposium of the Ph.D students at Laboratory of tribology et dynamics of systems*.

2012 **Organizing committee**, *research community day in the doctoral college EDSIS 488*.

Awards

2012 Poster winner, research community day, Doctoral college SIS 488 Saint-Etienne.

Computer skills

Basic JAVA, COMSOL, ProEngineer, Mathematica.

Intermediate PYTHON, CATIA, ABAQUS, Castem.

Advanced Sysworld, Solidworks, Matlab, Linux, Microsoft Windows, Microsoft office, LaTeX, Fortran, CIL, Beamer.

Communication Skills

International journals

2016 Integration of a mathematical model of osteoporosis treatment by Denosumab and a bone remodeling models into a single one, submitted in Computer Methods in Biomechanics and Biomedical Engineering, 2016

2016 Surface tension modelling: Three-dimensionnal transient computational model for arc welding, submitted in Advanced Modeling and Simulation in Engineering Sciences, 2016

2015 Mathematical framework of the mixed velocity-pressure P1/P1 tetrahedral finite element for the elasto-viscoplastic analysis of the solid metals. submitted in a special edition of ICOMP, 2015

2015 A stabilized P1/P1 finite element for the mechanical analysis of solid metals, International Journal of Material Forming, Computational Methods in Manufacturing, p 1-12, 2015

2014 Mathematical framework of the mixed velocity-pressure P1/P1 tetrahedral finite element for the elasto-viscoplastic analysis of the solid metals. submitted in a special edition of ICOMP, 2014

2013 On the incorporation of surface tension in finite-element calculations. Comptes rendus mécanique, Vol 341, p 770-775, 2013

2013 Benchmark tests based on the Couette viscosimeter -II : Thermo-elasto-plastic solid behavior in small and large strains. Computers and Mathematics with Applications, Vol 67, p 1482-1496, 2013

Internatinonal conferences with proceedings: Oral presentations

2014 A coupled fluid/solid approach for the numerical simulation of welding. 10th world congress on computational mechanics, 5th European conference on computational mechanics, 6th European conference on computational fluid dynamics, 20-25 july 2014, Barcelona, Spain.

2014 Implementation of surface tension effects in finite element calculations of flows in the weld pool. 1st International Conference on computational methods in manufacturing processes, 2-4 september 2014, Saint-Etienne, France.

2013 Mechanical behaviour law of the melting zone during numerical welding simulation. XII International conference on computational plasticity, Fundamentals and applications,2-5 September 2013, Barcelona, Spain.

2012 A coupled fluid/mushy/solid approach for the numerical simulation of welding. 10th world congress on computational mechanics, 8-13 July, Sao Paulo, Brazil.

Languages

French	**Mother tongue**	
Arabic	**Mother tongue**	
English	**Intermediate**	*Good working knowledge*
German	**Basic**	*Basic knowledge*

Interests

- BasketBall
- Latino dance
- Cooking

Analysis of Automotive components using MAtlab

Finite element methods provide a general and powerful framework for solving ordinary and partial differential equations

Course content

In this course, we study the analysis, implementation and application of finite element methods. The following topics are studied in this course: Beam element, polynomial approximation, variational principles, energy minimization, discretization, element choice, Lagrange polynomials, Meshing, the local-to-global mapping, reference element, shape functions and nodal basis functions, evaluation of elementary quantities, assembling the linear system, Boundary conditions, efficient implementation of finite element methods, and linear elasticity.

Learning outcome

Students will learn the mathematical formulation of the finite element method and how to apply it to simple problems. Students will also learn how to implement the finite element method in Matlab software.

Prerequisites

It is assumed that student has knowledge about the mechanics of continuous media: stress, strain, displacement, behavior law, elastic problems …

Teaching

The course runs over one week (20 hours). A short seminar is given on the first day to show the interest of the simulation and the finite element method. It is followed by a lecture on the finite element method. Then, tutorials and practical sessions on Matlab allow students to apply the method.

Day 1: Short seminar, continuum mechanics reminders, lecture 1

Day 2: Lecture 2, Tutorial on 1D element (truss)

Day 3: Tutorial on 2D element (triangle)

Day 4: Practical sessions on 1D element

Day 5: Practical sessions on 2D element

Veltech Dr.RR & Dr.SR University

(Estd. u/s 3 of UGC Act, 1956)

Office of International Programmes

Visiting Professor Programmes

Details of Professor & Course:

Name of the Professor	Prof. Thomas Sayet (Profile Attached)
University & Country	Polytech Orleans, France
Title of the Course	Analysis of Automotive Components using Matlab
Department	Automobile Engineering
Dates of the Course	05th to 09th March, 2018
Total No. of Hours	20
No. of Credits	1
Course Contents	List Attached

Prepared by:

Coordinator – Office of Intl. Pgms

Forwarded by:

Director – Office of Intl. Pgms

HoD 7/12/17 Dean Director (Academic) Vice Chancellor

Print material also

SNo	Stu_Id	Stu_Name	Stu_Branch	Stu_Test_SubjectCode	Stu_Test_SubjectName	Stu_Subject_PassFail	Stu_Grade
1	VtU6810	PASUPULETI SANDEEP	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
2	VtU6811	ENDAPALLY RAJEEV REDDY	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
3	VtU6798	BYRARPU TEJA	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
4	VtU6826	PATNANA SAI DURGA	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
5	VtU7034	GURRAM VENKATA VINOTH KUMAR	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
6	VtU7795	BONAM LAKSHMI NARASIMHA	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
7	VtU6817	MYNAMPATI VIJAY REDDY	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
8	VtU6794	SHAIK RIYAZ ALI	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
9	VtU6785	SURA SAI PRASAD REDDY	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
10	VtU6795	SAVA JITENDRA HARSHA SAI KRISHNA	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
11	VtU6801	DURJATI ABHISHEK	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
12	VtU6828	AVINASH E	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
13	VtU6821	U PRAVEEN KUMAR	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA

14	VtU6786	V DHANUSH KODI	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
15	VtU6815	RUBALINGAM S	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
16	VtU7995	ASHWIN KUMAR B	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
17	VtU8323	LAKSHMI GANESH R	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
18	VtU7291	YUVASHREE A	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
19	VtU6805	VIGNESH P	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
20	VtU6814	RAJKIRAN V	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
21	VtU6803	KARTHIKEYAN K	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
22	VtU6793	AKASHRANGAM L R	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
23	VtU6819	AHAMED JIDDAD A	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
24	VtU6776	LUXSHAN S	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
25	VtU6825	MOHAMED ABDUL KADHAR S	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
26	VtU7930	VINTHYEN A	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	RA	RA
27	VtU6812	KALAIARASAN.B	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	Pass	D

28	VtU6784	ABHISEK ABHIDUTTA	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	Pass	D
29	VtU6792	RAJESH M	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	NE	NE
30	VtU6797	SASI VARDHAN VENKAT ITHAM	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	NE	NE
31	VtU6809	MOHAMED JAMALDEEN P	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	NE	NE
32	VtU6824	HARIPRASANTH S	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	NE	NE
33	VtU6827	FEROSE KHAN J M A	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	NE	NE
34	VtU7771	KISHORE C	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	NE	NE
35	VtU6820	SYED SADIQ UR REHMAN S H	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	Pass	D
36	VtU8470	OMER AHMED KHAN	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	Pass	D
37	VtU8436	DHAN BAHADUR CHAUDHARY	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	Pass	D
38	VtU7587	PAPASANI JAYASIMHA REDDY	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	Pass	B
39	VtU8445	G.CHAITANYA KUMAR	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	Pass	B
40	VtU8360	BANLAMBHA SHILLA	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	Pass	C
41	VtU7967	BOINIPALLY ARAVIND KUMAR	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	NE	NE

42	VtU8246	SANJAYKUMAR B M	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	NE	NE
43	VtU8434	GONDU PARTHA SARADHI NAIDU	Automobile-Eng	1157AU904	Analysis of Automotive Components using MATLAB	NE	NE

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Our Ref. No: 2018/VF 26 & 27	**Your Ref. No:**

Submitted for the Approval:

Name of the Professor: Prof. Dr. Thomas Sayet

University & Country : Polytech Orleans, France

Course Titles : 1. Solid Mechanics: Rigid Bodies (20Hrs)
2. Analysis of Automotive components using MATLAB (20Hrs)

Department : Mechanical and Automobile Engineering

Students : Course 1:2016-2020, 35 Students
Course 2:2016-2020, 39 Students

Training Program date: **Course 1:** 26th February to 02nd March, 2018
Course 2: 05th March to 09th March, 2018

Sl.No	Description	Amount in EURO	Amount in INR
1	Course Honorarium (Rs.3000 * 40Hrs) **(Net Amount & Tax Free)**	1490	120000
2	Visa Processing Charges (185.20 Euros) 1Euro= 79.4062 as on 08.02.2018)	185.20	14706
	Total	**1675.2**	**1,34,706**

(Rupees one lakh thirty four thousand seven hundred and six only)

In this regard, I request your approval for transferring the amount in EURO to the following Account,

Name : Thomas Sayet

Bank name: Banque Populaire

Account No: FR76 1870 7002 3531 3192 2014 686

Branch : Saint Marceau- Orleans

IBAN : CCBPFRPPVER

Thank You,

08/03/18

S. Sivaperumal

Dr. S. Sivaperumal
Director International ...

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

School of Mechanical & Construction

Department of Mechanical Engineering

Specialized one credit course on

"Solid Mechanics: Rigid Bodies"

(115ME922)

by

Prof. Dr. Thomas Sayet

Polytech Orleans, France

POLYTECH
ORLÉANS

Held on

Date: February 26 to March 2, 2018

Thomas SAYET

Associate professor

PRISME Laboratory - Polytech'Orléans
8, rue Léonard de Vinci. Orléans, 45000
+33 (6) 13 37 86 65
+33 (2) 38 56 78 23
FAX +33 (2) 38 41 73 83
thomas.sayet@univ-orleans.fr
https://www.linkedin.com/in/thomassayet/



"We learn by teaching" - James Howell

Education

2010–2014 **Ph.D degree**, *Ecole Nationale Superieure des Mines & Ecole Nationale d'Ingenieurs*, *Engineering school*, Saint-Etienne.
Supervisors: Professor Jean-Michel Bergheau & Professor Jean-Baptiste Leblond

2009–2010 **Master's degree «Science for engineers»**, *University of Pierre and Marie Curie*, Paris.
Specialized in modelling and simulation of structures and materials

2006–2009 **Engineer**, *ENS de Cachan & University of Pierre and Marie Curie*, Paris.
Specialized in mechanics of materials

2003–2006 **Bachelor «Science and technology for the engineer»**, *University of Franche comte*, Besançon.
Specialized in mechanics

Experience

Research and development

2015–Present **Associate professor**, PRISME, POLYTECH'Orléans, Orléans.
Mechanics of heterogeneous materials department.
Research topics
- modelling of welding process
- Reactive impregnation modelling
- Ceramic/refractory high temperature modelling
- Biomechanics (bone and skin).

Academic responsibilities
- Head of the international relations for the ICM department.

2014–2015 **Research engineer**, LTDS, ENISE, Saint-Etienne.
In charge of the FOST projet «Operational safety brakes for winches» : Administrative management, experimental and numerical modelling, metrological measurement and materials characterization.

2013–2014 **Temporary lecturer and research**, ENISE, Saint-Etienne.
Numerical modelling of multi-physics coupling in the welding process.

2010–2013 **R&D Engineer**, ESI Group, Lyon.
Development of a hybrid welding option in «Sysweld». Numerical simulation of welding, coupling of the fluid flows in the weld pool with the deformations of the solid part. A 3D CA-FE model implementaion, able to predict the microstructure of the weld bead.

Teaching

2011–Present **Lecturer for undergraduate and graduate students**.

- Solid mechanics
  - Statics, kinematics, Kinetics, Dynamics
- Mechanics of continuous media
- Computational solid mechanics
- Finite element method
- LaTeX for technical and scientific documentation
- Mathematics for engineer
- Numerical methods
- Applied mechanics, modelling and simulation
- Process modelling
- Mathematics, probability and statistics
- Indeformable solid mechanics.

Extra-Professional Activities

2014 **Organizing committee**, *ICOMP «International Conference on COmputational methods in Manufacturing Processes*.

2011–2013 **President of the association of young researchers in Saint-Etienne**, *Ph.D student rights and vocational integration*.

2011–2014 **Representative of PhD students**, *Disciplinary council at the ENISE*.

2011–2014 **Organizing committee**, *national symposium of the Ph.D students at Laboratory of tribology et dynamics of systems*.

2012 **Organizing committee**, *research community day in the doctoral college EDSIS 488*.

Awards

2012 Poster winner, research community day, Doctoral college SIS 488 Saint-Etienne.

Computer skills

Basic JAVA, COMSOL, ProEngineer, Mathematica.

Intermediate PYTHON, CATIA, ABAQUS, Castem.

Advanced Sysworld, Solidworks, Matlab, Linux, Microsoft Windows, Microsoft office, LaTeX, Fortran, CIL, Beamer.

Communication Skills

International journals

2016 Integration of a mathematical model of osteoporosis treatment by Denosumab and a bone remodeling models into a single one, submitted in Computer Methods in Biomechanics and Biomedical Engineering, 2016

2016 Surface tension modelling: Three-dimensionnal transient computational model for arc welding, submitted in Advanced Modeling and Simulation in Engineering Sciences, 2016

2015 Mathematical framework of the mixed velocity-pressure P1/P1 tetrahedral finite element for the elasto-viscoplastic analysis of the solid metals. submitted in a special edition of ICOMP, 2015

2015 A stabilized P1/P1 finite element for the mechanical analysis of solid metals, International Journal of Material Forming, Computational Methods in Manufacturing, p 1-12, 2015

2014 Mathematical framework of the mixed velocity-pressure P1/P1 tetrahedral finite element for the elasto-viscoplastic analysis of the solid metals. submitted in a special edition of ICOMP, 2014

2013 On the incorporation of surface tension in finite-element calculations. Comptes rendus mécanique, Vol 341, p 770-775, 2013

2013 Benchmark tests based on the Couette viscosimeter -II : Thermo-elasto-plastic solid behavior in small and large strains. Computers and Mathematics with Applications, Vol 67, p 1482-1496, 2013

Internatinonal conferences with proceedings: Oral presentations

2014 A coupled fluid/solid approach for the numerical simulation of welding. 10th world congress on computational mechanics, 5th European conference on computational mechanics, 6th European conference on computational fluid dynamics, 20-25 july 2014, Barcelona, Spain.

2014 Implementation of surface tension effects in finite element calculations of flows in the weld pool. 1st International Conference on computational methods in manufacturing processes, 2-4 september 2014, Saint-Etienne, France.

2013 Mechanical behaviour law of the melting zone during numerical welding simulation. XII International conference on computational plasticity, Fundamentals and applications,2-5 September 2013, Barcelona, Spain.

2012 A coupled fluid/mushy/solid approach for the numerical simulation of welding. 10th world congress on computational mechanics, 8-13 July, Sao Paulo, Brazil.

Languages

French	**Mother tongue**	
Arabic	**Mother tongue**	
English	**Intermediate**	*Good working knowledge*
German	**Basic**	*Basic knowledge*

Interests

- BasketBall
- Latino dance
- Cooking

Solid Mechanics: rigid bodies

The science of mechanics is centered on the study of the motion ofa physical object subjected to various types ofmechanical loading. From the causality point of view, amechanical cause (applied load) to a physical object will result in mechanical responses (motion)

Course content

In this course, we study the fundamentals of mechanics: statics, kinematics and kinetics. The following topics are studied in this course: Statics equilibrium, Newton's laws, force vectors, Moment of a vector, velocity (motion), acceleration, Varignon's relation, Kinetics.

Prerequisites

It is assumed that student has knowledge about mathematical basics: vector, torsor, integral, …

Teaching

The course runs over one week (20 hours).A lecture on the static part is given on the first day in order to introduce the statics of rigid bodies followed by some tutorials the second day. Kinematics and kinetics lectures are given the third day. On the fourth and fifth days, tutorials on kinematics and kinetics will be carried out.

Day 1: Lecture: Statics for solid bodies

Day 2: Tutorial: Statics for solid bodies

Day 3: Lecture: Kinematics and kinetic

Day 4: Tutorial: Kinematics

Day 5: Tutorial: Kinetic

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R&D Institute of Science and Technology
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School of Mechanical & Construction Engineering
Department of Mechanical Engineering

Submitted for Approval

26 April 2018

Sir,

The Department of Mechanical Engineering has organized a 20hrs course on "Solid Mechanics: Rigid bodies" for II & III Year Mechanical Engineering Students during the period from 26/02/18 to 02/03/18. The course code is assigned as 115ME922.Prof Thomas Sayet, Associate Professor, Mechanics of Heterogeneous Material Group, School Of Engineering, University of Orleans, France was the resource person. The course was taught for four hours a day for 5days.

Initially 42 students have registered for the specialised course. Only the following 35 students were regular and 27 students secured more than 75% attendance, submitted the assignment on time & also scored 50 Marks and above in the final examination. One final examination was conducted and evaluated by the resource person. The attendance particulars, marks secured by the students in the final examination are given in Annexure A

The course syllabus, daily schedule, final examination question paper along with few students' feedback is enclosed herewith.

This course may be considered as course offered under the Section 7.2.8 Higher Learning Institute Interaction and the above students are eligible for one credit under the VTU R15 Section 7.2.8.3.

Approval is kindly requested for

1. To accept the above course under the specialized course category as per the VTUR15
2. To award two credits to the 17 students under the Specialized course category under VTU R15 Section 7.2.8.3.

Submitted for approval please

(Aravindh Raj B (R)) 26/04/18
Course Coordinator

(Dr A T Ravichandran)
HoD Mechanical

Approved
11.05.18

Eswara Rao Anne
Academics

11/5/2018

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Science and Technology
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Controller of Examinations

SNo	Stu_Id	Stu_Name	Stu_Degree	Stu_Branch	Stu_Test_SubjectCode	Stu_Test_SubjectName	Stu_Subject_PassFail	Stu_Grade
1	VTU6043	DESAM ASHOK REDDY	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
2	VTU6325	V.BALA SUBRAMANIAM	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
3	VTU6418	INDURU SABARISH	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	C
4	VtU6641	CHANDRA PAL SINGH SHEKHAWAT	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	C
5	VtU6836	GODDATI PRAVEEN	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	C
6	VTU6191	JANJANAM SIVA SAI	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
7	VTU6205	AKASH PANDEY	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
8	VtU7927	PARITALA VEERANJANEYULU	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
9	VtU8006	KOMMU PAVAN	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	RA	RA
10	VtU8015	VUPPALAPATI HEMANTH	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	C
11	VtU8038	RAMESH KRISHNA R	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
12	VtU8039	JAKKA SAICHANDRA	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	RA	RA
13	VtU8200	MEDASANI MAHESH NAIDU	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
14	VtU7539	UNNAM NEETHISH KUMAR	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	C
15	VtU7551	GOVINDU RAMA SIVA SAI KUMAR	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
16	VtU7557	JAAGEERI KIRAN MANIKANTA NAGARAJU	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	C
17	VtU7568	SUMANTH GANNAMANENI	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
18	VtU7583	CHINTAPALLI CHAITANYAPHANINDRA	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
19	VtU7584	GOTTIPALLA AKHIL	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
20	VtU7592	KONDETI MOHITH	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	RA	RA
21	VtU7593	MALLADI NAGA SATYA BHAVANI SAI AKHIL	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
22	VtU7599	G BHASKAR GOUD	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	RA	RA
23	VtU7600	UDDANTI MANOJ	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
24	VtU7616	S MAHMAD NAYEEM	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
25	VTU5896	BALAKRISHNA THARUNPILLAI	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
26	VTU5903	K.DINESH	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
27	VtU7629	BANDARAM HEMANTH KUMAR	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	RA	RA
28	VtU7644	GADDI MOHANA SRI SAI KRISHNA BHARAT KUMAR	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
29	VtU7645	BOBBALI PRAVEEN REDDY	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
30	VtU7652	ARAVIND GURUBHARAN C S	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	C
31	VtU7672	PERUGU RAVIKRISHNA	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	RA	RA
32	VtU7683	NAVEEN S	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
33	VtU7703	KILLADA PRUDHVI RAJ	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	RA	RA
34	VtU8307	HARISH S	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	Pass	D
35	VtU8358	ILLIPILLI JYOTHISWAROOP	B.Tech	MECHANICAL	1157ME922	Solid Mechanics: Rigid Bodies	RA	RA

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Our Ref. No: 2018/VF 26 & 27	**Your Ref. No:**

Submitted for the Approval:

Name of the Professor: Prof. Dr. Thomas Sayet

University & Country : Polytech Orleans, France

Course Titles : 1. Solid Mechanics: Rigid Bodies (20Hrs)
2. Analysis of Automotive components using MATLAB (20Hrs)

Department : Mechanical and Automobile Engineering

Students : Course 1:2016-2020, 35 Students
Course 2:2016-2020, 39 Students

Training Program date: **Course 1:** 26th February to 02nd March, 2018
Course 2: 05th March to 09th March, 2018

Sl.No	Description	Amount in EURO	Amount in INR
1	Course Honorarium (Rs.3000 * 40Hrs) **(Net Amount & Tax Free)**	1490	120000
2	Visa Processing Charges (185.20 Euros) 1Euro= 79.4062 as on 08.02.2018)	185.20	14706
	Total	**1675.2**	**1,34,706**

(Rupees one lakh thirty four thousand seven hundred and six only)

In this regard, I request your approval for transferring the amount in EURO to the following Account,

Name : Thomas Sayet

Bank name: Banque Populaire

Account No: FR76 1870 7002 3531 3192 2014 686

Branch : Saint Marceau- Orleans

IBAN : CCBPFRPPVER

Thank You,

08/03/18

S. Sivaperumal

Dr. S. Sivaperumal
Director International ...

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R&D Institute of Science and Technology
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POLYTECH
ORLÉANS
École d'Ingénieurs de l'Université d'Orléans

BREI/FM/2019-111

Orléans, June 18th 2019

To whom it may concern,

I undersigned, Philippe DEVINANT, Director of the International Office at Polytech Orleans, the engineering school of the University of Orleans, certify that **SIRIGIREDDY Manjith Kumar Reddy,** is currently registered in our department of Technologies for Energy, Aerospace and Engine.

He is awarded with the grade 13,25/20 for his project: Numerical approaches for spray propagation and thermodynamic study for Prisme' facilities.

The required grade to pass a course is 10/20.



Philippe DEVINANT
Director of the International Relations Office
Polytech Orleans

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POLYTECH
ORLÉANS
École d'Ingénieurs de l'Université d'Orléans

BREI/FM/2019-109

Orléans, June 18th 2019

To whom it may concern,

I undersigned, Philippe DEVINANT, Director of the International Office at Polytech Orleans, the engineering school of the University of Orleans, certify that **ARYA Aman Kumar,** is currently registered in our department of Technologies for Energy, Aerospace and Engine.

He is awarded with the grade 12,5/20 for his project: Numerical approaches for spray propagation and thermodynamic study for Prisme' facilities.

The required grade to pass a course is 10/20.



Philippe DEVINANT
Director of the International Relations Office
Polytech Orleans

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BREI/FM/2019-110

Orléans, June 18th 2019

To whom it may concern,

I undersigned, Philippe DEVINANT, Director of the International Office at Polytech Orleans, the engineering school of the University of Orleans, certify that **GOYAL Vikash,** is currently registered in our department of Technologies for Energy, Aerospace and Engine.

He is awarded with the grade 11,5/20 for his project: Numerical approaches for spray propagation and thermodynamic study for Prisme' facilities.

The required grade to pass a course is 10/20.

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Philippe DEVINANT
Director of the International Relations Office
Polytech Orleans

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School of Mechanical & Construction

Department of Civil Engineering

Specialized one credit course on

"Techniques of Building Construction"

(1152CE144)

by

Prof. Dr. Xavier Brunetaud

University of Orleans, France

Université d'ORLÉANS

Held on

Date: February 11 to 18, 2019

Xavier Brunetaud

8 rue Léonard de Vinci, F-45072 Orléans Cedex 2, France
Email: xavier.brunetaud@univ-orleans.fr Phone: +33 2 38 49 40 52

Work experience:
From 2006: Associate professor at the Université d'Orléans, Polytech Orléans
2005-2006: Lecturer at the Université d'Orléans, Polytech Orléans
2002-2005: Engineer during PhD period

Responsibilities:
From 2018: Coordinator of the "stonework" transversal topic in LaMé laboratory
From 2016: Member of the steering committee of Heritage Intelligence program
From 2014: Deputy Director of Civil Engineering department
2010-2014: Elected member of the executive board of Polytech Orléans
From 2010: Elected member of the scientific committee for mechanical and civil engineering
2006-2014: Coordinator of the "public works and survey" master
From 2006: Member of the supervising board of the civil engineering department

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Teaching activities:
- Involved in European TEMPUS and French AVOSTTI programs for teaching innovation
- Taught courses: "Design of planning" (Master) ; "Cement" (Master) ; "Public works supervision" (Master) ; "Structural mechanics" (Licence)

Research topic:
Holistic approach of built heritage conservation: combining mechanic, physical chemistry, and TIC fields for the realization of the digital health record of monuments.

Scientific production:
- 22 papers in international peer-reviewed journals; 8 chapters of book
- 42 communications in international congresses; 19 in national congresses

Research activities:
- Involved in the supervision of 8 PhD thesis, 2 Master trainings, 2 post-doc
- Involved in seeking finance for scientific programs (total: about 1,400 k€)
- Involved in 8 regional (2 as supervisor) and 2 national scientific programs
- Scientific expert for Heritage Intelligence program
- Member of the organizational and scientific board of two national congresses (ConserBati 2010 and AUGC 2014), and one international workshop (ConserStone 2011).
- Involved in science popularization: several web docs and TV docs.

Education:
2017: Accreditation for research supervision (post-doctoral diploma), Orléans, France
2005: PhD of Ecole Central Paris, France
2002: Master degree "MAise" (ENS Cachan / ENPC), rank: 1st
2001: Laureate of the "aggregation" examination for Civil Engineering teaching position

L T P C

TECHNIQUES OF BUILDING CONSTRUCTION **2 0 0 2**

Unit 1: Durability of stones and mortars

Physical-chemical and morphological characterization - Monitoring - Artificial ageing tests - Macroscopic characterization - Simulation of degradation

Unit 2: Digital Health record 8

Historical study - Architectural documentation - Application of the digital health record

Unit 3: Remediation

Influence on Serviceability and Durability - Materials for Repair - Techniques for Repair:- Examples

Unit 4: Mediation

Facilitative mediation - Evaluative mediation - Settlement mediation - Therapeutic/Transformative mediation - Other techniques

Unit 5: Structural mechanics4

Stress generated by compression/tension and flexure - calculation of resulting displacements - shear stress - resolution of hyper static structures based on energetic method.

Additional topics:

1. Cement: production; clinker composition; hydration; durability topics; quality assessment

Total : 30 Hours.

Xavier Brunetaud

Associate professor at the Université d'Orléans, France

Course for Vel Tech: Conservation of built heritage

Proposition of content

The different parts of the course will construct on the lessons learned from the following cases studies:

- The Château de Chambord, France
- The site of Volubilis, Morocco
- The site of Al-Nimrud, Iraq

Our culture is deeply rooted into built heritage. This heritage seems strong enough to sustain over time. What we see today was already there when we born. We should not think built heritage could last forever without our help. Conservation and restoration are necessary, but they have to be applied with caution in order to improve the durability of the monument, and not to damage it.

Part 1: Durability of stones and mortars (2 x 3h)

Before performing restoration, the architect needs to diagnose the current state of degradation of the building. This diagnosis provides all decay patterns, their localisation, and their probable origin. To provide the adequate origin for each degradation, we need to understand how built heritage behaves with time. It requires the knowledge of the durability of their materials, mainly stones and mortars.

1.1. Physical-chemical and morphological characterization

This characterization at the microscale allows describing and quantifying the chemical, mineralogical, and morphological changes induced by degradations. By comparison with a plain material, this characterization constitutes the first step of the degradation diagnosis.

1.2. Monitoring

Throughout the time, building stones have been mostly subjected to climate cycles. By monitoring today's environmental conditions, providing hypothesis for degradation processes become possible. Monitoring also involves inspection, i.e. the regular observation and quantification of degradations and its documentation (see part 2: digital health record).

1.3. Artificial ageing tests

Experiments in laboratory are performed to assess the behaviour of stones and mortars as a result of controlled environmental conditions such as temperature and humidity cycles with the potential presence of pollutants. These experiments can constitute a proof that we understand the degradation process when we succeed in replicating actual decay patterns.

1.4. Macroscopic characterization

This characterization is always combined with physical-chemical one. The point is to quantify the effect of ageing in terms of changes in material's performance. The performance is assessed mostly through comparative mechanical characterization during or after ageing tests.

1.5. Simulation of degradation

The challenge here is to use the weather data from *in-situ* monitoring together with the mechanical properties obtained by the macroscopic characterization to estimate the stresses developed *in-situ*.

Part 2: Digital Health record (3h)

Their present state of degradation is the result of a complex and mostly undocumented history involving climate cycles, anthropic actions, and accidental events. Added to the natural variability of stones, this is why, in most cases, it is very difficult to replicate in laboratory the decay patterns observed *in situ*. Data collection is an issue: how to identify the stones, their properties, their mechanical and climate environment, and how it changed with time. It is a challenge for a stonework monument composed of many different stones and mortars, submitted to heavy architectural restorations, and accidental events like flooding or fire. The concept of digital health record stems from the issues of data collection, data organization, and data analysis.

2.1 Historical study

The synthesis of historical documents such as notarial deeds and quotes allows defining the provenance and the date of installation of each stone in the monument. These documents can also attest architectural restoration, and the occurrence of accidental events.

2.2. Architectural documentation

All data must be organized on a 3D model of the monument. Such 3D model can be obtained by laser scanning or photogrammetry techniques. The resulting model is then processed to extract architectural documents such as orthoprojections able to map all the collected data. The regular update of the 3D model can also contribute to the morphological monitoring of the monument.

2.3. Application of the digital health record

Once all the collected data is successfully organized on the appropriate architectural document, the user can extract new data resulting from statistical analysis, such as factual estimation of the kinetics of degradation, or correlation between stone types and decay patterns.

Part 3: Remediation (3h)

Remediation concerns the actions we can plan in order to improve the durability of the monument. Two aspects are presented: desalination poultice and restoration mortars.

3.1. Desalination poultice

In many cases, degradation processes construct on the presence of salt within the stones. Hence, a preliminary action is to extract the salt from the stone by applying a desalination poultice whose properties are specifically designed for the cured stones.

3.2. Restoration mortars

Mortars are the bond between stones; they have to be compatible with them. The compatibility is assessed through mechanical and hydric characterization. Restoration mortars using local materials can be formulated to ensure the durability of the stonework.

Part 4: Mediation (3h)

Monuments managers are concerned with the image of their building; this is the consequence of the cultural value of built heritage. This value stems from two complementary aspects: built heritage is both a witness of the past, and the ambassador of our culture. As a witness of the past, the value of the message depends on its authenticity. As an ambassador of culture, the message must be disseminated to the widest audience thanks to popularization. Hence, mediation about built heritage must be both accurate and easy to understand. This contradiction makes such mediation a challenge.

References

- I. Aalil, K. Beck, X. Brunetaud, K. Cherkaoui, A. Chaaba, M. Al-Mukhtar, 2016, *Deterioration analysis of building calcarenite stone in the House of Venus in the archaeological site of Volubilis (Morocco)*, Construction and Building Materials, Vol. 125, p. 1127-1141, (doi: 10.1016/j.conbuildmat.2016.09. 005) (Q1; IF 3.169)
- K. Beck, S. Janvier-Badosa, X. Brunetaud, Akos Török, M. Al-Mukhtar, 2015. *Non-destructive diagnosis by colorimetry of building stone subjected to high temperatures*, European Journal of Environmental and Civil Engineering, accepté le 22 janvier 2015, available on line 28 May 2015 (doi:10.1080/19648189.2015.1035804) (Q3; IF 0.897)
- S. Janvier-Badosa, X. Brunetaud, K. Beck, M. Al-Mukhtar, 2015. *Kinetics of stone degradation of the Castle of Chambord - France,* Int. J. of Architectural Heritage, Vol. 74, Issue 3, 2209 - 2221 (doi:10.1080/15583058.2014.971194) (Q3 ; IF 1,053)
- A. Al-Omari, X. Brunetaud, K. Beck, M. Al-Mukhtar 2015. *Preliminary digital health record of limestone in Al-Ziggurat, Al-Nimrud city*, *Iraq*, Journal of Cultural Heritage Vol. 16 (5), 737 – 740 (doi:10.1016/j.culher.2014.11.005) (Q2 ; IF 1.838)

- S. Janvier-Badosa, K. Beck, X. Brunetaud, A. Guirimand-Dufour, M. Al-Mukhtar, 2015. *Gypsum and spalling decay mechanism of Tuffeau limestone,* Environmental Earth Sciences, accepté le 17 avril 2014, available on line 20 February 2015 (doi: 10.1007/s12665-015-4212-2) (Q3 ; IF 1.569)
- A. Alomari, K. Beck, X. Brunetaud, M. Al-Mukhtar, 2015. *Weathering of limestone on Al-Ziggurat walls in the ancient Al-Nimrud city (Iraq),* Environmental Earth Sciences, Vol. 74 (1), 609 - 620 (doi: 10.1007/s12665-015-4064-9) (Q3; IF 1.569)
- A. Alomari, X. Brunetaud, K. Beck and M. Al-Mukhtar, 2014. *Hygrothermal stress and damage risk in the stones of the Castle of Chambord-France,* International Journal of Civil and Structural Engineering, Vol 4, No 3, p. 402-408 (Open access Journal: ISSN 0976 – 4399), (doi:10.6088/ijcser.201304010039).
- A. Alomari, K. Beck, X. Brunetaud, A. Török, M. Al-Mukhtar, 2014. *Critical degree of saturation: A control factor of freeze–thaw damage of porous limestones at Castle of Chambord, France,* Engineering Geology, Vol. 185, pp. 71-80 (doi:10.1016/j.enggeo.2014.11.018) (Q1 ; 2.569)
- A. Alomari, X. Brunetaud, K. Beck and M. Al-Mukhtar, 2014. *Coupled thermal–hygric characterisation of elastic behaviour for soft and porous limestone,* Construction and Building Materials, Vol 62, p. 28–37 (doi:10.1016/j.conbuildmat.2014.03.029) (Q1; IF 3.169)
- S. Janvier-Badosa, K. Beck, X. Brunetaud, M. Al-Mukhtar, 2014. *The occurrence of gypsum in the scaling of stones at the castle of Chambord (France),* Environmental Earth Sciences, Vol. 71, No. 11, pp. 4751-4759 (doi: 10.1007/s12665-013-2865-2) (Q3; IF 1.569)
- C. Stefani, X. Brunetaud**,** S. Janvier-Badosa, K. Beck, L. De Luca, M. Al-Mukhtar, 2014. *Developing a toolkit for mapping and display stone alteration on a web-based documentation platform,* Journal of Cultural Heritage, Vol. 15, No. 1, pp. 1-9 (doi:10.1016/j.culher.2013.01.011) (Q2 ; IF 1.838)
- A. Alomari, X. Brunetaud, K. Beck and M. Al-Mukhtar, 2013. *Effect of thermal stress, condensation and freezing-thawing action on the degradation of stones of Chambord Castle, France,* Environmental Earth Sciences, Vol. 71, No. 9, pp. 3977-3989 (doi: 10.1007/s12665-013-2782-4) (Q3; IF 1.569)
- S. Janvier-Badosa, K. Beck, X. Brunetaud, M. Al-Mukhtar, 2013. *A historical study of Chambord castle: A basis for establishing the health record of the monument,* Int. Journal of Architectural Heritage, Vol. 7, No. 3, p. 247-260 (doi: 10.1080/15583058.2011.634959) (Q3; IF 1.053)
- X. Brunetaud, C. Stefani, S. Janvier Badosa, K. Beck, M. Al-Mukhtar, 2012. *Comparison between photomodeling and laser scanning applied to realizing 3D model for digital health record,* European Journal of Environmental and Civil Engineering, Vol. 16, Supp. 1, pp. 48-63 (doi: 10.1080/19648189.2012.681957) (Q3; IF 0.897)
- X. Brunetaud, L. De Luca, S. Janvier-Badosa, K. Beck, M. Al-Mukhtar, 2012. *Application of digital techniques in monument preservation,* European Journal of Environmental and Civil Engineering, Vol. 16, No. 5, pp. 543–556 (doi: 10.1080/19648189.2012.676365) (Q3; IF 0.897)

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Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Directorate of International Relations

Visiting Professor Programmes

Details of Professor & Course:

Name of the Professor	Prof. Dr. Xavier Brunetaud (CV Attached)
University & Country	University of Orleans, France
Title of the Course	Techniques of Building Construction
Department	Civil Engineering
Dates of the Course	February 11 to18,.2019
Total No. of Hours	30
No. of Credits	2
Course Content	Attached

Prepared by:
Coordinator – Directorate of Intl. Relations

Forwarded by: 12/11/18
Director – Directorate of Intl. Relations

12/11/18
HoD

Dean 4/11

Director (Academic)

Vice Chancellor 17/12/2018

Prof. Dr.A.T. Ravichandran
Dean SoMC

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Course Code :- 1152CE144
Program Elective.

030

SNo	Stu_Id	Stu_Name	Stu_Degree	Stu_Branch	Stu_Test_SubjectCode	Stu_Test_SubjectName	Stu_Subject_PassFail	Stu_Grade
1	VtU7952	SAYED YAKUB PASHA	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	RA	RA
2	VtU8149	GUDUMAAS LAXMANRAO	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	D
3	VtU8192	THALLAMAPURAM BHARATH CHANDRA	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	NE	NE
4	VTU6180	SHAIK AJITH BASHA	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	D
5	VTU6361	MAGUNTA GANESH REDDY	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	RA	RA
6	VtU6837	CHUKKALA JAYA SRI	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	D
7	VtU6844	HASTAVARAM MAHANTH KUMAR REDDY	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	D
8	VtU6846	MUTTIBOYINACHANDRASEKHAR	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	D
9	VtU6847	JAMPANI SANDEEP	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	D
10	VtU6848	INJETI MASTHAN	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	D
11	VTU8141	SASI DHARAN S	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	NE	NE
12	VtU7169	MEDICHARLA RAVINDRA SIVA SAI KUMAR	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	D
13	VtU7205	KALLU VENKATESH	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	D
14	VtU7437	CHERUKURU JAGADEESH	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	RA	RA
15	VTU8526	SAI SAHITHI A	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	D
16	VTU8531	SAHITHYA CM	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	D
17	VTU8565	AVARIN MARTINA K MARAK	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	NE	NE
18	VtU7747	PINJARI DADA BASHA	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	RA	RA
19	VtU7754	P SREE KAARAN	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	C
20	VtU7878	A BHARGAV	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	D
21	VtU8369	MEDIPALLY PRAVEEN	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	C
22	VtU8430	KOUKUNTLA SETHU MADHAV REDDY	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	C
23	VtU10069	DHINESH D	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	NE	NE
24	VtU10322	VAIBHAV GUPTA	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	B
25	VtU10688	DAMI I THMA	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	NE	NE
26	VtU10692	DAEIMI PHADONG	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	B
27	VtU10707	MANISH BHAGAT	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	B
28	VtU6866	ABDUL NAZEEM	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	C
29	VtU6868	Y DINESH KUMAR REDDY	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	D
30	VtU6869	ALLA NAVANEETH KUMAR	B.Tech	CIVIL	1152CE144	Techniques of Building Construction	Pass	C
31	VtU8722	K SHAKTHIVEL	B.Tech	CIVIL(CIVIONICS)	1152CE144	Techniques of Building Construction	RA	RA
32	VtU8782	ABU SHAFIQ S	B.Tech	CIVIL(CIVIONICS)	1152CE144	Techniques of Building Construction	RA	RA
33	VtU8881	KARTHIK B	B.Tech	CIVIL(CIVIONICS)	1152CE144	Techniques of Building Construction	Pass	D
34	VtU8722	K SHAKTHIVEL	B.Tech	CIVIL(CIVIONICS)	1152CE144	Techniques of Building Construction	RA	AB

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Our Ref. No: 2018-2019/VF 99	**Your Ref. No:**

Submitted for the Approval:

Name of the Professor: Prof. Dr. Xavier Brunetaud

University & Country : University of Orleans, France

Course Title: Techniques of Building Construction

No. of Hours: 30 (Under programme Elective)

Department: Civil Engineering

Program date: February 11-18, 2019

Sl.No	Description	Amount in EURO	Amount in INR
1	Flight ticket Reimbursement	634.39	50717
	Total	**634.39**	**50717**

(Rupees Fifty thousand seven hundred and seventeen only)

In this regard, Professor booked the ticket already. So I request your approval for transferring the amount in EURO to the following Account,

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Thank You

27/12/18

S. Sivaperumal

Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
Director
International Relations
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology * 1997 *

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School of Mechanical & construction

Department of Civil Engineering

Specialized one credit course on

"Remediation of Contaminated Soils"

(1157CE914)

by

Prof. Dr. Mikael Motelica- Heino

Universite of Orleans, France

Université d'ORLÉANS

Held on

Date: September 17 to 28, 2018

Mikael MOTELICA-HEINO



GENERAL INDICATIONS

Nationality :	French
Age :	46 years (1971)
Marital status:	married, 2 children
Qualification and current position :	Professor (full) at the University of Orléans (France)
Address:	2 placeVoltaire appt. 103 F-45100 Orléans tel.: + 33 6.46.16.64.87 e-mail: motelica.mikael@free.fr

PERSONAL PROFILE

Doctor in Environmental Science, a former research associate at the University of Lancaster (UK) and research scientist at the French Geological Survey (BRGM), I was appointed full professor in environmental geology at the University of Orléans (France) in 2006. I developed an expertise in the field of environmental science. Current research activities deal with the environmental biogeochemistry and mineralogy of trace elements in natural and anthropogenic terrestrial ecosystems and ecological restoration. I am the author of more than 80 publications in international peer-reviewed journals.

EDUCATION AND QUALIFICATIONS

2005 **Qualification** to the functions of French University professors sections 31 (chemistry) and 35 (geosciences)

2005 Habilitation **- HDR** (Habilitation à Diriger les Recherches) – in **Geochemistry**
Doctoral School of Earth and Life Sciences, University of Bordeaux I (France)
« Role of colloids in the transfer of metals and remobilisation of metals in sediment surface »

1999 **PhD** in **Environmental Analytical Chemistry**
Doctoral School of Exact Sciences and their Applications (mention « Chemistry and Microbiology of Water »), University of Pau (France)
« Development of the laser ablation ICP-MS system for the elementary analysis of solids. Application to the characterisation of trace metals in the environment »

1995 **M. Sc.** in **Oceanography**, University of Bordeaux I (France)

1994 **Engineer Degree,** Ecole Centrale, University of Technology, Nantes (France)

PROFESSIONAL CAREER

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Mikael MOTELICA-HEINO

From 2006 **University of Orléans (France)**
Professor of environmental geology at the Ecole Polytechnique of the University of Orléans, department of Civil engineering and environment. Reseacher at the Institute of Earth Sciences of Orléans (ISTO), UMR CNRS-University of Orléans-brgm.

2002-2006 **BRGM (French Geological Survey), Orléans (France)**
Research Scientist in biogeochemistry at the Monitoring, Measurements and Analysis Department (Isotopic geochemistry unit).

2002 **University of Bordeaux I (France)**
Invited professor at the Laboratory of Applied Geosciences.

1999-2002 **Lancaster University (UK)**
Research Associate in Environmental geochemistry at the Environmental Sciences Department (NERC Fellowship).

1999 **Jobin Yvon, Longjumeau (France)**
Consultant in analytical chemistry.

1996-1999 **Laboratory of Bio-Inorganic Chemistry and Environment (CNRS), University of Pau (France)**
Doctoral student and teaching assistant.

TEACHING ACTIVITIES

Practical works

Field geology (10h) Polytech'Orléans, University of Orléans (undergrad)

Cristallography, Mineralogy, petrology (30h) Polytech'Orléans, University of Orléans (undergrad)

Environmental field geochemistry (10h) Departement of Geology, University of Orléans (M1)

Polluted sites and soils (5h) Polytech Orléans, University of Orléans (M2)

Directed works

Geology (8h) Polytech'Orléans (undergrad)
Aquatic geochemistry (4h) Faculty of Sciences, University of Orléans (M1)
Numerical geochemical modelling (8h) Polytech'Orléans, University of Orléans (M2)
Polluted sites and soils (13h) Polytech'Orléans, University of Orléans (M2)
Anthropogenic soils and aquifers (6h) Departement of Geology, University of Orléans (M2)

Lectures

Geology (10h) Polytech Orléans, University of Orléans (undergraduate)

Geochemistry (10h) Polytech Orléans, University of Orléans (undergraduate)

Water geochemistry (8h) Faculty of Sciences, University of Orléans (M1)

Phytoremediation of soils (8h) Faculty of Sciences, University of Orléans (M1)

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Applied geochemistry (13h) Polytech Orléans, University of Orléans (M2)

Polluted sites and soils (20h) Polytech Orléans, University of Orléans (M2)
Anthropogenic soils and aquifers (8h) Departement of Geology, University of Orléans (M2)

Hydrogeology (8h) Faculty of Sciences, University of Orléans (M2)

RESEARCH ACTIVITIES

My research focuses on the biogeochemistry of trace elements. Understanding the transfer, accumulation and fate of anthropogenic metals and metalloids in the natural environment is necessary to assess the risks to ecosystems and human health. Several thematic axes have predominated in the work I have done in recent years:
Speciation of trace metals in surface waters
Biogeochemical processes in surface sediments
Geomicrobiology of acid mine drainage
Isotopic biogeochemistry of iron
Interaction of humic substances with clays
Ecodynamics of trace elements in contaminated and phytoremediated soils

PhD mentoring

2001-2007	PhD Lancaster University (UK) « Utilisation of DGT techniques for the measurement of the bioavaibility of metals in sediments» (Chris Naylor 50 %)
2002-2005	PhD University Bordeaux I (France) « Investigation of the functionnal varibilities of the organic colloids at the supra-molecular level» (Mohammed Baalousha 50 %)
2005-2008	PhD University of Helsinki (Finland) « Novel measuring techniques for dissolved metals, phosphorus and sulfide in the Baltic Sea sediments pore waters» (Hanna Kaasalainen 50 %)
2005-2008	PhD of the University of Marseille-IRSN (France) « Biogeochemistry of uranium in the sediment of continental aquatic systems : role of the bioturbation of benthic macro-invetebrates » (Sandra Lagauzere 30 %)
2006-2009	PhD of the University of Bordeaux I (France) : « Perspectives of phytoremediation with dual matrices in soils under constrain (contamination in metals, hydrological stress) » (Osama Negim 30%)
2008-2011	PhD University of Orléans « Qualification, quantification and inhibition of physico-chemical and microbiological phenomena that can impact the exploitability of the periodical storage of heat on aquifers » (Frédéric Garnier 50%)
2010-2013	PhD University of Orléans « Ecodynamic of trace elements and characterisation of the exposition in phytoremediated contaminated soils and technosoils » (Nour Hattab 50%)
2012-2014	PhD University of Orléans/University de Bucarest (Romania) « Synthesis and reactivity of iron oxides nanoparticules » (Simona Iconaru 50%)
2012-2015	PhD University of Orléans « Origin, mobility and fate of trace elements in contaminated soils and technosols » (Bashar Quasim 100%)
2014-2017	PhD University of Orléans « Transfert of micropollutants by urban run-off for different hydrological scenarios : geochemical and mineralogical approach » (Mohammed Al-Juhaishi 50%)

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Mikael MOTELICA-HEINO

2015-2017 PhD University of Orléans /University of Ouagadougou (Burkina Faso)
« Agroecological practices and indicaors of traditional and innovative agroecosystems of Burkina Faso: optimisation alternatives » (Aboubacar Coulibaly 50%)
2017-2020 PhD University of Orléans "Biogeochemistry of iron and associated contaminants (As, Cr, Cd) in environments submitted to changing redox conditions" (Fengfeng Zhang 50%)

Postdoctoral mentoring
2008-2009 Post-doctoral fellow « Contribution of HDL to the denitrification of groundwaters » (Mourad Intissar 100%)
2010 Post-doctoral fellow « Clay-humics interactions in the presence of metals » (Marcelo Giovanela 100%), CAPES
2012-2013 Post-doctoral fellow « Guarinoites for treating nitrates in groundwaters » (Rachid Esselhi 100%), Région Centre

M.Sc mentoring
2007-2008 M.Sc University of Orléans « Characterisation of colloids and nanoparticules of the Lake Pavin » (Lucie Tomé 50%)
2009 M.Sc University of Orléans «Investigation of th ecombined effects of the bioturbation activity of benthic macro-invertebrates and micro-organims on the uranium fluxes at the sediment-water interface » (Franck Le Moing 100%)
2009-2010 M.Sc University of Orléans (France) «Trapping of drugs and organic pollutants by modified clays and LDHs» (Julien Weiss 50%)
2012 M.Sc University of Orléans « Attenuation of the exposition to trace elements in contaminated soils by assisted phytoremediation (LD-slag) » (Alicia Cuvier 100%)
2012 M.Sc University of Orléans « Biological stimulation of soils and socioeconomic management of agrosystems in Burkina Faso » (Thomas Thiébault 100%)

UNIVERSITY SERVICES
2006-2007 Head of the international relations of the Ecole Polytechnique of the University d'Orléans
2008-2009 Responsible for international relations Civil engineering and environment department, Ecole Polytechnique of the University d'Orléans

Central councils University of Orléans
From 2008 Technical committee representative
From 2013 Committee for Health, Safety and Working Conditions representative

Board of directors University of Orléans
2011-2015 Elected member OSUC

Research institute council ISTO
From 2012 Nominated member

French National University Council (Conseil National des Universités) section 35 (geosciences)
From 2015 Elected member

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Mikael MOTELICA-HEINO

OTHER ACTIVITIES

Jury evaluator

Member of PhD (25) and Habilitation (5) jurys nationaly and internationaly

Associated editor

- International Journal of Environmental Protection
- Journal of Water Sciences Research
- Journal of Sustainable Architecture and Civil Engineering
- Arabian Journal of Geosciences

Reviewer

- Royal Society of Chemistry
- Talanta
- Estuarine Coastal and Shelf Science
- International Journal of Environmental Analytical Chemistry
- Marine Pollution Bulletin
- Geophysical Research Letter
- Applied Geochemistry
- Sustainability
- Biogeosciences Discussions
- Journal of Applied Physics
- Separation Science and Technology
- Nanoscale Research Letters
- Aquatic Geochemistry
- Journal of Hydrology
- International Journal of Environmental Protection
- Journal of Environmental Management
- Journal of Hazardous Materials
- Journal of Soils and Sediments
- Science of the Total Environment
- Journal of Nanomaterials
- Applied Clay Science
- Journal of Geochemical Exploration
- Earth Science Reviews
- Environmental Science and Technology

Member

- Geochemical Society (from 1999)
- American Society of Limnology and Oceanography (from 2002)
- American Romanian Academy of Arts and Sciences (from 2002)

Expertise

- Environmental Agency (UK)
- Jobin Yvon
- Finmer
- EGIDE (French Ministry of Foreign Affairs)
- INTAS
- Erasmus Mundus agency (France)

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Mikael MOTELICA-HEINO

PROFESSIONAL TRAINING

2006 Molecular dynamics modelling Explore (BRGM, France)
2006 Hydrogeology (BRGM, France)
2005 Arcview (BRGM, France)
2003 MapInfo (BRGM, France)
2002 SPPS (University of Lancaster, UK)
1996 Analytical geochemistry (CETAC Technologies, Omaha, NE, USA)
1993 Numerical modelling in fluid dynamics **(**Registro Italiano Navale, Genoa, Italy)

LANGUAGES

Finnish/French bilingual
English fluent (Cambridge Certificate of Proficiency)
German good skills, both oral and written
Italian basic

GRANTS (NB * Principal Investigator)

6th PCRD (EU)

2005-2007 « Knowledge and Need Assessment on Pharmaceutical Products in Environmental Waters" (630 000 €) *

INTAS (EU)

2002-2005 « Prospect for the development of natural-economic resources in the Kazakh Priaralie" (120 000 €) *

ANR (French National Research Agency)

20011-2013 « Fate of polyacrrylamide bases floculants in muds, industrial and natural waters and potential impcat of the aquatic ecosystems (AQUAPOL)» (60 000 €)

INSU-CNRS

2000-2007 « Biooxidation of Arsenic » (8000 €)
2004-2005 « Transfer processes and impact of arsenic and metals in a hydrosystem affected by acid mine drainage (10000 €)
2005-2006 «Mercury-colloids-bacteria-sediment (5000 €)
2006 « Biogeochemistry of iron and associated contaminants (5000 €)
2009-2010 « Contribution of biological and geochemical processes in the metallic contaminnats fluxes and their bioavailability at the sediment-water interface» (54 000 €) *
2015-2017 « Nanoengineered particles for contaminated sites remediation (NANOREMEDIATION) » (15000 €) *

NERC (UK)

2004-2005 « Isotopic signatures of microniches in surface sediment » (157 000 €)

Région Centre (France)

2007 « Contribution of HDL to the denitrification of groundwaters (TRAINIT) » (57000 €)
2008-2011 « Investigation tool of hydrogeological tracer tests (TRAC) » (10 000 €) *

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Mikael MOTELICA-HEINO

2008-2011 « Biological evaluation of the geothermal exploitation of an aquifer : laboratory experimentation (BIOTHERMEX) » (10 000 €)
2011-2013 « Biological stimulation of soils and socio-economic management of agrosystems in Burkina Faso (BIOSOL) (60 000 €) *
2011-2013 « Guarinoites for the removal of nitrates in drinking water (GRANITE) » (75 000 €)
2012-2014 « Ecosystemic services of the urban parks of the region Centre » (SERVEUR) (10 000 €)
2015-2017 « Requalification of polluted sites by phytoremediation » (RESTOR) (50 000 €)
2015-2017 « (K,Na)NiObates doped for new PiEzoElectrics» (K-NNOPEE) (20 000 €)
2016-2018 « Transfert of micropollutants by urban run-off for different hydrological scenarios » (RUTP-Orléans) (200 000 €) *
2017-2019 « Hydrosedimentary dynamics of the Brenne swamps» (DYNETANG) (50 000 €)

Région Nord (France)
2016-2018 «Agricultural practices in anthropized media : industrialized territories and societal questions» (PRAGMATICS) (200 000 €)

Conseil général du Loiret (France)
2015-2016 « Investigation of phytoremediation capabilities of 3 genotypes of Populus nigra L.» (EPHYPOP) (27 000 €)

OSUC (University of Orléans)
2009-2010 « Ecodynamic of contaminants in CCA polluted soils» (4 000 €) *
2014 « Transfer and reactivity of suspended matter in the Loire river: use of geochemical and mineralogical tracers » (4830 €) *
2016 « Hydrosedimentary and biogeochemical dynamics of the Brenne swamps » (4830 €) *

French Institute of Finland
SAMPO Laureate 2013 (1500 €) *

Nesling Fondation (Finland)
2005-2007 « Novel measuring techniques for dissolved metals, phosphorus and sulfide in the Baltic Sea sediments pore waters » (200 000 €)

Suomen Akateemia (Finland)
2014-2018 « Multiple lines of evidence in assessing ecotoxicological and human health risks of mine effluents and public perception (MINEVIEW) » (405 486 €)

LIST OF PUBLICATIONS

86 peer-reviewed articles in scientific journals
23 articles in conference proceedings
142 presentations at conferences

2309 citations (Google Scholar), H-index 25, I-10 index 53

Scientific articles in peer-reviewed journals (* PhD student)
A1. *M. Motelica-Heino,* P. Le Coustumer, J.H. Thomassin, A. Gauthier, O.F.X. Donard

.

Mikael MOTELICA-HEINO

« Macro and Microchemistry of Trace Metals in Vitrified Domestic Wastes by Laser Ablation ICP-MS and Scanning Electron Microprobe X-Ray Energy Dispersive Spectroscopy »
Talanta 46 (1998) 407-422

A2. *M. Motelica-Heino,* A. Gauthier, P. Le Coustumer, J.H. Thomassin, O.F.X. Donard
« Impact Environnemental des Déchets Solides : nouvelles Techniques d'Evaluation »
Déchets, Sciences & Techniques 12 (1998) 16-21

A3. *M. Motelica-Heino,* O.F.X. Donard, J.M. Mermet
« Laser Ablation of Synthetic Geological Powders using ICP-AES Detection: Effects of the Matrix, Chemical Form of the Analyte and Laser Wavelength »
Journal of Analytical Atomic Spectrometry 4 (1999) 675-682

A4. P. Le Coustumer, *M. Motelica-Heino,* A. Gauthier, J.H. Thomassin,
« Long Term Behaviour of Ultimate Glassy Wastes »
Ceramic Transactions 93 (1999) 251-259

A5. S. Rauch, G. Morrison, *M. Motelica-Heino,* O.F.X. Donard
« Evaluation of Speciation, Transport and Ecological Risk of Palladium, Platinum and Rhodium in Urban Stormwater Systems »
Water Science and Technology (1999), vol. 1, 202-209

A6. S. Rauch, *M. Motelica-Heino,* G. M. Morrison, O.F.X. Donard
« Assessment of Sector Field ICP-MS with Ultrasonic Nebulization for the Determination of Platinum Group Elements in Road and Urban River Sediments »
Journal of Analytical Atomic Spectrometry 15 (2000), 329-334

A7. S. Rauch, G.M. Morrison, *M. Motelica-Hein* , O.F.X. Donard, M. Muris
« Elemental association and fingerprinting of traffic-related metals in road sediments »,
Environmental Science & Technology 34 (2000), 3119-3123

A8. A. Gauthier, *M. Motelica-Heino* and P. Le Coustumer, O.F.X Donard
« Real time alteration of a nuclear waste glass and remobilization of lanthanide into an interphase »
Waste Management 20, 8 (2000) 731-739

A9. P. Le Coustumer, *M. Motelica-Heino,* K. Lafdi
« Elaboration of Composite Materials from Ultimate Wastes for Friction Applications »,
Ceramic Transactions (2000), 107, 65-74

A10. P. Le Coustumer, M. Motelica Heino and O. Donard
« LA-ICP-MS : a powerfull tool for surface analysis »
Rivista della Stazione de Vetro (2000) 6, 102-118

A11. *M. Motelica-Heino,* S. Rauch G. M. Morrison and O.F.X. Donard
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18th International Conference on Heavy Metals in the Environment
Ghent (Belgique), 12-15 September 2016

E.73 A. Cavelan, A. Simonneau, J. Jacob, C. Le Milbeau, A. Belli, C. Di Giovanni, C. Gumiaux, P. Gautret, E. Garel, F. Huneau, *M. Motelica-Heino*, V. Pasqualini
« Dynamique sédimentaire récente et eutrophisation de la lagune de Biguglia : nature, origine et distribution des apports sédimentaires »
25e Réunion des Sciences de la Terre
Caen, 24-28 October 2016

E.74 M. Al-Juhaishi, *M. Motelica-Heino*, F. Muller, T. Thiebault, A. Simonneau
« Evaluation et estimation du transfert des éléments traces métalliques par les rejets urbains par temps de pluie (RUTP) sur des bassins versants de l'agglomération Orléanaise»
25e Réunion des Sciences de la Terre
Caen, 24-28 October 2016

E.75 T. Thiebault, F. Muller, C. Grosbois, C. Le Milbeau, M. Al-Juhaishi, *M. Motelica-Heino*
« Dynamique des contaminants associés aux particules en suspension par temps de pluie dans un réseau d'eau pluviale de l'agglomération orléanaise»

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Mikael MOTELICA-HEINO

25e Réunion des Sciences de la Terre
Caen, 24-28 October 2016

E.76 *M. Motelica-Heino*
"Transfer of Micropollutants by Urban Surface Runoff with Different Hydrological Scenarios"
Asem Seminar on Urban Water Management
Changsha (China), 19-20 October 2016,

E.77 M. Al-Juhaishi, *M. Motelica-Heino*, F. Muller, C. Le Milbeau, R. Zocatelli, J. Jozja, C.Défarge
« Evaluation de la qualité physico-chimique des rejets urbains par temps de pluie (RUTP) sur des bassins versants de l'agglomération orléanaise »
7èmes Journées Doctorales en Hydrologie Urbaine
Nantes, 11-12 October 2016

E.78 *M. Motelica-Heino*
"Ecological services and biophysical functioning of agroecosystems of Eastern Burkina Faso: a new paradigm for food security"
International Conference on Changing Food Systems in Africa: Agroecology and Food Sovereignty and their Role in Nutrition and Health
Addis Abeba (Ethiopia), 24-26 November 2016

E.79 *M. Motelica-Heino*, Yengué, J.L.
"Spatial variability of urban soils biogeochemical features"
9th international congress Soils of Urban Industrial Traffic Mining and Military Areas
Moscow (Russia), 22-26 May 2017

E.80 M.P. Norini, *M. Motelica-Heino*, F. Battaglia-Brunet, D. Morabito, S. Bourgerie, P. Gautret
"Biogeochemical processes of trace metallic elements in the rhizosphere of phytostabilizing plants"
Goldschmidt Conference on Geochemistry
Paris, 13-18 August 2017

E.81 *M. Motelica-Heino*, L. Le Forestier, R. Guégan, M. Mench
"Potentially toxic elements bioavailability in phytoremediated contaminated soils predicted by diffusive gradient in thin films"
DGT 2017
Gold Coast (Australia), 6-8 September 2017

E.82 A. Coulibaly, *M. Motelica-Heino*, E. Hien
"Effect of agroecological practices on fertility of a cultivated tropical ferigineous soil of eastern burkina faso"
Joint 5th SASA International Conference & 2nd Rwanda Biotechnology Conference
Kigali (Rwanda), 4-6 October 2017

E.83 *M. Motelica-Heino*
"Improving research capacities for bioremediation and phytoremediation of metal(loid)s"
58 Annual Conference of Association of Microbiologists of India (AMI-2017) & International Symposium on Microbes for Sustainable Development: Scope & Applications
Lucknow (India), 16-19 November 2017

E.84 *M. Motelica-Heino*, R. Guégan, S. Iconaru, C. Popa, C. Ciobanu, D. Preddoi
"Geoengineered nanoparticles for environmenal remediation : hydroxyapatites, clays, LDH and iron oxides"
Advanced Materials World Congress 2018
Singapore, 4-8 February 2018

Poster

F1. *M. Motelica-Heino*, J.J. Zhu, O.F.X. Donard
« Analysis of Environmental Solid Samples by IR and UV Laser Ablation ICP-MS »
4th INTERNATIONAL CONFERENCE ON PLASMA SOURCE MASS SPECTROMETRY
Durham (UK), October 1996

F2. *M. Motelica-Heino*, O.F.X. Donard, P. Lecoustumer, J.J. Zhu
« Comparison of Infrared and Ultraviolet Laser Ablation for ICP-MS »
EUROPEAN WINTER CONFERENCE ON PLASMA SPECTROCHEMISTRY
Gent (Belgium), January 1997

F3. *M. Motelica-Heino*, O.F.X. Donard
« Evaluation of the analytical potential of LA-ICP-MS for environmental chemistry »
14èmes JOURNEES FRANCAISES DE SPECTROMETRIE DE MASSE
Lille (France), September 1997

F4. *M. Motelica-Heino*, O.F.X. Donard, R. Payling, P. Chapon, P. Lecoustumer

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« 3-D Mapping of Metals in Vitrified Domestic Wastes by LA-ICP-MS and GD-OES »
WINTER CONFERENCE ON PLASMA SPECTROCHEMISTRY
Scottsdale (USA), January 1998

F5. *M. Motelica-Heino*, O.F.X. Donard, D. Günther, R. Frischknecht
« Trace and Distribution Analysis of Environmental Solid Samples by Laser Ablation Microprobe coupled to the ICP-MS »
WINTER CONFERENCE ON PLASMA SPECTROCHEMISTRY
Scottsdale (USA), January 1998

F6..*M. Motelica-Heino*, O.F.X. Donard, J.M. Mermet
« A Critical Look at the Analysis of Powders by Tandem Laser Ablation Inductively Coupled Plasma technologies»
PITTSBURG CONFERENCE ON CHEMISTRY
New Orleans (USA), March 1998

F7. *M. Motelica-Heino*, C. Deraed, O. Hogeurieux
« Analysis of Chlorine in Water using ICP-OES»
DEAUVILLE CONFERENCE Symposium on Analytical Sciences
Valence (Spain), June 1998

F8. A. Gauthier, *M. Motelica-Heino*, J.H. Thomassin, O.F.X. Donard, P. Le Coustumer
« Potential Mobility of Heavy Metals from Ultimate Solid Wastes »
ISSUES IN ENVIRONMENTAL POLLUTION
Denver (USA), August 1998

F9. *M. Motelica-Heino*, P. Chapon, P. Lecoustumer, O.F.X. Donard,
« Metals Profiling in Glassy Wastes by GD-OES »
EUROPEAN WINTER CONFERENCE ON PLASMA SPECTROCHEMISTRY,
Pau, January1999

F10. *M. Motelica-Heino*, J.M. Mermet, O.F.X. Donard,
« Laser Ablation ICP-AES Analysis of Model Environmental Samples: Effects of the Matrix, Chemical Form of the Analytes and Laser Wavelength »
EUROPEAN WINTER CONFERENCE ON PLASMA SPECTROCHEMISTRY
Pau, (France) January 1999

F11. *M. Motelica-Heino*, A. Gauthier, O.F.X. Donard, J.H. Thomassin, P. Le Coustumer
« Nouveau modèle de diffusion des métaux lourds à partir de résidus d'incinération d'ordures ménagères vitrifiés »
INTERNATIONAL CONFERENCE ON WASTE STABILISATION AND ENVIRONMENT
Lyon (France), April 1999

F12. *M. Motelica-Heino*, H. Garraud, O.F.X. Donard
« Solid Characterization by LA-ICP-MS: Trace and Micro-Analysis »,
9TH INTERNATIONAL METROLOGY CONFERENCE
Bordeaux (France), October 1999

F13. *M. Motelica-Heino*, O.F.X. Donard, P. Le Coustumer
« Micro and Nanofeatures of Laser Ablation and their significance for LA-ICP-MS »
WINTER CONFERENCE ON PLASMA SPECTROCHEMISTRY
Fort Lauderdale (USA), January 2000

F14. *M. Motelica-Heino*
« Mesure et modélisation dynamique de la remobilisation de métaux lourds dans les sols et sédiments par DGT »,
Journée Nationale d'Etude des sols
Orléans (France) 22-24 October 2002

F15. *M. Motelica-Heino*
« Mesure et modélisation dynamique de la remobilisation de métaux lourds dans les sols et sédiments par DGT »
Première rencontre nationale de la recherche sur les sites et sols pollués : bilan et perspectives
Paris (France), 12-13 December 2002

F16. C. Naylor, W. Davison and *M. Motelica-Heino*
« Simultaneous determination of trace metals and sulphide in sediments »
SETAC
Plymouth (UK), 15-18 September 2002

F17. *M. Motelica-Heino*, M. Robert, A Cocherie
« High precision measurement of lead isotopes in natural waters by MC-ICP-MS »
2003 European Winter Conference on Plasma Spectrochemistry

.

Mikael MOTELICA-HEINO

Garmisch-Partenkirchen (Germany), 12-17 January 2003.

F18. P. Le Coustumer, *M. Motelica-Heino,* A. Gauthier & K Lafdi
« Valorization of vitrified REFIOM «
Entretiens de l'Environnement, **Les Déchets**, Pau 26-27 Mars 2003

F19. *M. Motelica-Heino*
« Mesure et modélisation dynamique de la remobilisation de métaux lourds dans les sols et sédiments par DGT »
Journée Nationale d'Etude des sols
Orléans (France), 22-24 Octobrer 2002

F20. M. Baalousha, N. Guigues, *M. Motelica-Heino,* P. Le Coustumer
« Séparation et caractérisation à l'échelle nanométrique des colloïdes aquatiques par TEM »
5ème Colloque sur la Matière organique Naturelle (Groupe Français de l'IHSS)
Clermont-Ferrand (France), 26-28 March 2003

F21. M. Baalousha, F. Krammer, *M. Motelica-Heino,* P. Le Coustumer
« Three dimensional description of colloids and particles by FFF-MALLS and TEM »
European Colloid and Interface Society
Firenze (Italy), September 2003

F22. *M. Motelica-Heino*, Davison,
« Microbial Mats and Trace Metals Interaction in Surface Sediments uncovered by DGT Micro-scale Measurements **»**
International Conference on the Biogeochemistry of Trace Elements
Uppsala (Sweden), 15-19 June 2003

F23. *M. Motelica-Heino*, N. Guigues, I. Allan,
« Dissolved mercury in water by the DGT techniques in the river Ribble, UK »
2nd International Passive Sampling Workshop and Symposium
Bratislava (Slovakia), 3-6 May 2006

F24. N. Guigues, *M. Motelica-Heino*, P. Petrova, R. Schaffer, J. Knutsson
« Heavy metals monitoring in the Daugava (LV) and the Aller (D) River Basins using DGT and Chemcatcher techniques »
2nd International Passive Sampling Workshop and Symposium
Bratislava (Slovakia), 3-6 May 2006

F25. S. Valet, P. Le Coustumer, *M. Motelica-Heino*
« Les techniques de contrôle du ruissellement et du report hydrique comme outils de gestion et de valorisation agro-forestières : séquestration du carbone et augmentation de la biomasse »
Les rémanents en foresterie et agriculture- Les branches : matériau d'avenir
Lyon (France), 1-2 February 2007

F26. S. Valet, P. Le Coustumer, *M. Motelica-Heino,* S. Galup
« Variabilité structurale et physico-chimique des croûtes superficielles des sols de la vallée du Syr Daria (Kazakhstan) »
32èmes Journées Scientifiques du Groupe Francophone d'Humidimétrie et Transferts en Milieux Poreux
Nantes (France), 21-22 November 2007

F27. S. Valet, P. Le Coustumer, *M. Motelica-Heino*
« Rôle de l'encroutement superficiel des sols sur leur fonctionnement hydrique : conséquences hydrologiques et hydropédologiques »
32èmes Journées Scientifiques du Groupe Francophone d'Humidimétrie et Transferts en Milieux Poreux
Nantes (France), 21-22 November 2007

F28. S. Valet , *M. Motelica-Heino*, P. Le Coustumer, P.S. Sarr
« The Sudano-Sahelien grove : a multi-scale ecological alternative face to climatic change »
13th IWRA World Water Congres
Montpellier (France), 1-4 September 2008

F29. S. Valet , *M. Motelica-Heino*, P. Le Coustumer, P.S. Sarr
« The run-off on Sudano-Sahelien zones : a salutary oxymore »
13th IWRA World Water Congres
Montpellier (France), 1-4 September 2008

F30. S. Valet , *M. Motelica-Heino*, P. Le Coustumer
«Bulk density prediction : case of heterogenous sudano-sahelian soils (Niger)»
Workshop on Soil Physical Quality and Organic Matter
INRA Orléans (France), 7 October 2008

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F31. D. Jézéquel, E. Viollier, G. Michard, F. Lopes, A. Groleau, G. Sarazin, F. Prévot, A. Thiam, L. Harrault, Y. Darmoul1, P. Agrinier, V. Busigny, N. Assayag, M. Ader, S. Lafortune, M. Moreira, F. Guillon, P. Albéric, *M. Motelica-Heino*, S. Binet, L. Tomé, G. Abril, L. Bergonzini, S. Huon, B. Tassin, C. Bonhomme, M. Saad, M. Poulin
« Geochemical signatures in Lake Pavin (Massif Central, France): New evidences from METANOX program (2006-2008) »
Congrès interdisciplinaire organisé par la Fédération des Recherches en Environnement du site clermontois
Interactions entre les processus physico-chimiques et microbiologiques dans l'environnement
Aubières (France), 22-24 October 2008

F32. *M. Motelica-Heino*, H. Kaasalainen, M.Leivuori, A. Kotilainen
« Pore water dynamics of iron, manganese and phosphate at the sediment-water interface in the Gulf of Finland (Baltic Sea) measured using DGT »
American Society of Limnology and Oceanography Aquatic Sciences Meeting
Nice (France), 25-30 Januar 2009

F33. M. Intissar, A. Seron, Fabien Giovanelli, *M. Motelica-Heino* and F. Delorme
« Substitution effect of divalent cation into (Cu1-xMgxAl – CO3) LDH material »
Hybrid Materials
Tours (France), 15-19 March 2009

F34. M. Intissar, A. Seron, D. Breeze, *M. Motelica-Heino* and F. Delorme
« Influence de la composition cationique et du mode de synthèse sur les propriétés d'Hydroxydes Doubles Lamellaires »
Groupe Français des Argiles
Toulouse (France), 14-16 April 2009

F35. R. Guegan, F. Muller, J.M. Beny, *M. Motelica-Heino*, A. Seron
« Confinement of surfactants in various lamellar porous materials »
14th International Clay Conference
Castellanete Marina (Italy) 14-20 June 2009

F36. S. Rahmatullaev, F. Huneau, M. Bakiev, P. Le Coustumer, *M. Motelica-Heino*
« Reservoir sedimentation in Uzbekistan: case study of the Akdarya Reservoir »
8th IAHS Scientific Assembly/37th IAH Congress
Hyderabad (India) 6-12 September 2009

F37. L. Février, A. Pelfrêne1, F. Le Moing, J.-M. Bonzom, F. Coppin, *M. Motelica-Heino*, R. Gilbin
«Uranium measurement by DGT: validation of the DGT technique in simplified media and first deployment in a naturally contaminated sediment»
Conference on DGT and the Environment
Santa Margherita di Pula (Italy) 7-9 October 2009

F38. S. Valet, *Motelica-Heino* and P. Le Coustumer
« Principal Ecological Services from the Association of Multistratified Networked Ccultures: a chance against the climatic change and globalisation.»
XIth ESA CONGRESS AGRO 2010
Montpellier (France), 29 August-3 September 2010

F39. S. Valet, *Motelica-Heino*, P.S. Sarr and P. Le Coustumer
« Chiselling or Ploughing in Face to the Climate Change in the Sudan Sahelian Zone? Millet yield and AET prediction »
XIth ESA CONGRESS AGRO 2010
Montpellier, 29 August-3 September 2010

F40. *M. Motelica-Heino*, J.-M. Bonzom, F. Le Moing, L. Février, A. Martin-Garin, V.Chapon
« Remobilisation d'Uranium à partir de Sédiments Lacustres en Mésocosme. Influence de la Bioturbation »
Colloque de restitution EC2CO
Toulouse (France), 23-25 November 2010

F41. *M. Motelica-Heino*, J.-M. Bonzom , F. Le Moing, L. Février, A. Martin-Garin , V. Chapon
« Remobilisation of uranium from contaminated sediments : effect of the bioturbation »
International Conference on the Biogeochemistry of Trace Elements
Firenze (Italy), 4-7 July 2011

F.42 N. Hattab, *M. Motelica-Heino*, O. Faure, J.L. Bouchardon, R. Guégan, X. Bourrat, M. Mench
« Ecodynamic of Trace Metals in Contaminated Soils and Technosols »
International Conference on the Biogeochemistry of Trace Elements

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Firenze (Italy), 4-7 July 2011

F43.N. Hattab, *M. Motelica-Heino*, O. Faure, J.L. Bouchardon, R. Guégan, X. Bourrat, M. Mench.
« Ecodynamic of trace metals in contaminated soils and technosols »
International Phytotechnology Conference
Portland (USA), 13-16 September 2011

F.44 N. Hattab, *M. Motelica-Heino*, R. Guégan, X. Bourrat, O. Faure , J.L. Bouchardon, M. Mench
« Effect of the organic amendments on the ecodynamics of trace metals in polycontaminated alkaline technosol »
4th International Congress EUROSOIL
Bari (Italy) 2-6 July 2012

F.45 N. Hattab, M. Soubrand, R. Guégan, *M. Motelica-Heino*, X. Bourrat, O. Faure, J.L. Bouchardon
« Effect of Humic substance on the mobility of trace elements in the contaminated technosol »
7th International Conference of the Urban Soils Working Group, SUITMA
Torun (Poland) 16-20 September 2013

F.46 S.L. Iconaru, C.S. Ciobanu, *M. Motelica-Heino*, R. Guegan, A. Costescu, P. Le Coustumer, E.S. Barna, D. Predoi
« Novel hydroxyapatite composites for Pb(II) removal »
International Conference on Environmental Science and Engineering
Paris (France), 7-8 October 2013

F.47 B. Qasim, *M. Motelica-Heino*
« Potential toxic element fractionation and phytoavailability assessment in technosoils from former smelting and mining areas»
EGU
Vienna (Autria), 27 April-2 May 2014

F.48 B. Qasim, D. Morabito, S. Bourgerie, A. Gauthier, M. Motelica-Heino
« Potential phytostabilization of soils contaminated with Cd, Pb and Zn from a former smelting area »
International Congress on Phytoremediation of Polluted Soils
Vigo (Spain), 28–29 July 2014

F.49 S. Iconaru, *M. Motelica-Heino*, R. Guégan, A. Prodan, P. Le Coustumer, C. Ciobanu, D.Predoi
« Characterization and toxicity evaluation of iron oxide in a silica matrix for removing arsenic ions from aqueous solutions »
24e Réunion des Sciences de la Terre
Pau, October 2014

F.50 L. Le Forestier, *M. Motelica-Heino*, P. Le Coustumer, M. Mench
« Ecodynamique d'éléments traces en contexte de phytostabilisation aidée par des laitiers dans un sol sableux contaminé en cuivre »
24e Réunion des Sciences de la Terre
Pau, October 2014

F.51 A. Cuvier, L. Pourcelot, A. Claustres, F. Panza, P. Van Beek, A. Simonneau, M. Enrico, D. Galop, F. Mazier, G. Le Roux, X. Cagnat, *M. Motelica-Heino*
"Spatial repartition and disequilibrium of natural radionuclides from the U-Th decay chains in a small catchment in the French Pyrenees"
24e Réunion des Sciences de la Terre
Pau, October 2014

F.52 S. Bourgerie, *M. Motelica-Heino*, B. Sajaloli, J.L. Yengué, D. Morabito
"Functional profiles of soil microbial populations under various climatic conditions and agricultural practices in Burkina-Faso"
First Global Soil Biodiversity Conference
Dijon, 2-5 December 2014

F.53 S. Bourgerie, *M. Motelica-Heino*, I. Limam, J.L. Yengué, D. Morabito
"Soil microbial diversity and related soil functioning in urban parks"
First Global Soil Biodiversity Conference
Dijon, 2-5 December 2014

F.54 B. Qasim, *M. Motelica-Heino*, D. Morabito, S. Bourgerie, A. Gauthier
"The effect of nitrogen addition on rhizospheric soil pore water properties and Zn, Pb and Cd mobility and uptake by Populus euramericana Dorskamp in contaminated technosol"
Rhizosphere 4
Maastricht (Netherlands), 21-25 June 2015

F.55 *M. Motelica-Heino*, S. Valet, J.L. Yengue, S. Bourgerie, B. Sajaloli, E.Hien
"A new agro-ecologic paradigm for food security in the sudano-sahelian zone"
Wageningen Soil Conference 2015 'Soil Science in a Changing World'

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Wageningen (Netherlands) 23 - 27 August 2015

F.56 M., Al-Juhaishi, *M. Motelica-Heino*, F. Muller, F. Le Moing, C. Le Milbeau, T. Thiébault, A. Guirimand-Dufour, C. Défarge
« Transfert des micropolluants par les RUTP pour différents scénarios hydrologiques dans l'Agglomération Orléanaise : résultats Préliminaires »
3ème Colloque des Zones Ateliers
Paris, 14-16 October 2015

F.57 *M. Motelica-Heino*, N. Hattab, T. Lomaglio, R. Guégan, F. Miard, S. Bourgerie, D. Morabito
"Remediation of post-mining and smelting metal contaminated soils with biochar"
Green and Sustainable Chemistry Conference
Berlin (Germany) 3-6 April 2016

F.58 *M. Motelica*-Heino, B. Qasim, S. Bourgerie, D. Morabito, A. Gauthier
"Biogeochemical Processes in the Rhizosphere of Populus Euramericana Dorskamp Involved in the Phytosabilization of Cd, Pb and Zn in Contaminated Technosol with N Addition"
Goldschmidt Geochemistry Conference
Yokohama (Japan) 26 Juin-1 July 2016

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Remediation of Contaminated Soils

Prof. Mikael Motelica-Heino, Polytech Orléans, University of Orléans, France

Course objectives

This course is an introduction to environmental remediationwith a focus on contaminated soils. The course attempts to directly serve the academic or professional needs and goals of the students and to acquaint students with the importance of soils to humans and the environment through study of their morphology, physical and chemical properties, their distribution, and their biological significance.The aim of the course is to provide an understanding of the geochemistry of pollutants in soils and associated water systems (surface and ground water) and an introduction to the regulatory framework of polluted soils and sites. The course will also provide an overview of the different impact studies, of the methods of measurement and forecasting of the pollutions and of the rehabilitation and de-pollution programs. The course will give students a university culture in environmental sciences and the foundation for an integrated environmental engineering in the context of our planet.Civil and environmental engineers operate in constant interaction with system Earth. They play an essential and inescapable role as professional environmental managers.For their training and perspective civil and environmental engineers are able to see that humanity has become a geological agent of change. Their understanding of the Earth's environment therefore gives them an obligation and a social role to play in helping the company to realize limits to the earth's resources and the vulnerability of our environment from human activities.

This course deals with water, soil and waste problems as well as soil and subsoil studies. The dynamic of pollutants is soils is a multidisciplinary and complex science that requires understanding the behavior / evolution over time and space of compounds and / or mixtures of non - environmental compounds in a heterogeneous natural geological environment at all scales.The behavior of a pollutant depends on the position, configuration and attenuation of the source zone, the emission potential and the route of exposure.Understanding how a pollutant evolves in the surface and underground environment is to understand how it can reach receivers / targets and how to extract and / or confine it.

Prerequisits

Good knowledge of physics and chemistry at undergraduate level, basics of geology/soil science

Course benefits

- Knowledge of the behavior of the principal pollutants in terrestrial and aquatic ecosystems
- To develop a global vision of the evolution of an anthropic contribution and the different affected natural compartments
- To understand contaminant load in relation to the geochemical background. To be able to thoroughly discuss environmental issues affecting modern societies.
- Design innovative physical, chemical and biological remediation strategies for contaminated soil remediation

Content

Part A - Contaminated sites and soils: Introduction to soils in the environment, soil environmental chemistry, soil pollution, typology of contaminated sites, inorganic and organic contaminants, soil contaminant chemistry, contaminant transportation, ecodynamics of contaminants, rehabilitation of contaminated sites

Part B – Physico-chemical remediation

Introduction to remediation technology, remediation typology, excavation, leaching, venting, stripping, in-situ oxidation and reduction, solidification andstabilization, incineration, thermal treatment, burying, confinement

Part C – Bioremediation

The bacterial world, essence of bioremediation, bioreduction and bioxidation, bioventing, composting, biopile, biostimulation, natural attenuation

Part D – Phytoremediation

Phytotechnologies, rhizospheric processes, phytoextraction, phytostabilisation, phytodegradation, rhizofiltration

Part E – Case studies

Diagnosis and decontamination of metallic contamination, diagnosis and decontamination ofhydrocarbons, biogeotechnology, landfill chemistry, acid mine drainage

Vel Tech

Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

15-May-2018

Our Ref. No: VTU/Civil/Specialised Course/2017-18/Even/2.7.3 | Your Ref. No/Date:

Dr. E. B. Perumal Pillai
Professor & Head

To:

The Director Academics,
Vel Tech Rangarajan Dr.Sagunthala R& D Institute of Science and Technology
Avadi, Chennai 600062.

Sir,

Sub: Permission is requested to conduct Specialized Course from Geotechnical Engineering by foreign Professor for our III year Students – reg.

Prof. Mikael Motelica-Heino from University of Orleans, France, has planned to visit our institution during September 17 to 28, 2018 to deliver lecture in Specialised Course as "**Remediation of contaminated soils**" for our students. The course content framed by Prof. Mikael Motelica-Heino is suitable to our III year students (2016-20), which is not a regular course under the Regulation VTUR15. The course offered by the visiting Professor would explore the application of geochemical tools in sediment, soil, water and also ability to applying these tools as part of a course research project. It will be a wonderful learning experience and able to do projects in that specialization by our III year students.

Details about the short term course:

Course Domain	Geotechnical Engineering
Course title	**Remediation of contaminated soils**
Visiting Faculty	Prof. Mikael Motelica-Heino
University	University of Orleans, France
Credits allotted	1
Total No. of hours	15
Duration	September 17 to 28, 2018

Course Coordinator
(Dr.J.Logeshwari)

Prof. T. Ravichandran

HOD / CIVIL.

Vel Tech
Rangarajan Dr. Sagunthala

Prof. Dr. (Mrs.) N. Kotteeswara Rao Anne
Director - Academics

Vel Tech
Rangarajan Dr. Sagunthala

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Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
Schedule for Short Courses by Prof. Dr. Mikael Motelica Heino, University of Orleans, France

	8.45 to 9.45	9.45 to 10.45	10.45 to 11.45	11.45 to 12.45	12.45 to 13.45	13.45 to 14.45	14.45 to 15.45
17.09.2018		BT				BT	BT
18.09.2018	BT	BT				BT	BT
19.09.2018						Civil	Civil
20.09.2018	BT		Civil	Civil		BT	BT
24.09.2018			Civil	Civil	Lunch		BT
25.09.2018			Civil	Civil		BT	BT
26.09.2018			Civil	Civil		Civil	Civil
27.09.2018			Civil	Civil		BT	BT
28.09.2018		BT	Civil	Civil			

For Biotech Dept (BT)- Environmental Bio Geo Chemistry
For Civil- Remediation of Contaminted Soils

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Department of Civil Engineering and Centre for International Relations
in collaboration with Universiti Teknologi MARA (UITM), Malaysia organizing
Visiting Professor Programme

ATTENDANCE SHEET

Course Code & Course Name: 1157CE912 - Concrete Technology and Material Engineering
Duration: 5 days (27th – 31st August 2018)
Credits: 2 (30 Hours)

S.No	Name of the Student	VTU No.	II / III / IV Year	27th August			28th August			29th August			30th August			31st August			Total Hours (30)	% of Attendance
				FN (2)	FN (2)	AN (2)	FN (2)	FN (2)	AN (2)	FN (2)	FN (2)	AN (2)	FN (2)	FN (2)	AN (2)	FN (2)	FN (2)	AN (2)		
1.	H.KISHORE	6462	IV	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
2.	DZIESEVOZO TSUKRU	10802	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
3.	KADIRI RIDWAN OLAJIDE	10840	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
4.	ARNAB MONDAL	10847	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
5.	MOASUNEP LONGKUMER	10801	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
6.	TOKASHE YEPTHOMI	10800	II	P	P	P	A	A	A	P	P	P	P	P	P	P	P	P	24	80
7.	KARTHICK RAJ.M	10646	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
8.	SHAKTHIVEL.K	8722	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
9.	PRATHEEPRAJ.M	8873	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
10.	IKRAM JAVID	9347	II	A	A	A	P	P	P	P	P	P	P	P	P	P	P	P	24	80
11.	MANISH BHAGAT	10707	II	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	26	87
12.	LEELA DHAR MISHRA	10916	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100

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S.No	Name of the Student	VTU No.	II / III / IV Year	27th August			28th August			29th August			30th August			31st August			Total Hours (30)	% of Attendance
				FN (2)	FN (2)	AN (2)	FN (2)	FN (2)	AN (2)	FN (2)	FN (2)	AN (2)	FN (2)	FN (2)	AN (2)	FN (2)	FN (2)	AN (2)		
13.	GAURAV	10763	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
14.	SHASHIKESH KUMAR	10529	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
15.	T.SUDHEER KUMAR REDDY	9490	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
16.	RAHUL VATS	10487	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
17.	KESHAV KUMAR	10417	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
18.	AVIMANU KUMAR MAHATO	10887	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
19.	RAM PRABESH YADAV	10863	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
20.	JITENDRA KUMAR MAHATO	10862	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
21.	AJAY YADAV	10853	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
22.	MDIMTIAZ ALAM	10813	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
23.	MANI KANTA.T	10722	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
24.	KORUPROLU PRAVEEN	9142	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
25.	M.HEMANTH	9141	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
26.	SK.MOULALI	9033	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
27.	K.RAHUL	9688	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
28.	ALURI ASHOK REDDY	9222	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
29.	EASAM SANDEEP KUMAR	9059	II	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	28	93
30.	V.AKASH	9073	II	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	28	93
31.	P.SAI TEJA	9062	II	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	28	93
32.	T.UDAY KIRAN	9043	II	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	28	93
33.	A.SAI VIGNAN	10416	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
34.	PODISHETTI VISHNU GOUD	9693	II	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100
35.	DASARI ARAVIND	10408	II	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	28	93
36.	KUNDAN KUMAR DAS	2175	II (P.G)	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	100

Timing: FN: 08.30 AM – 10.30 AM and 10.45 AM – 12.45 PM; **AN:** 01.45 PM – 03.45 PM

Note: All the registered students of this course are having more than 75% of attendance and hence all are eligible for End Semester Examination.

M. Sudhakar.
Co-ordinator.

3/9/18
HoD - Civil Engg.

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SNo	Stu_Id	Stu_Name	Stu_Degree	Stu_Branch	Stu_Test_SubjectCode	Stu_Test_SubjectName	Stu_Subject_PassFail	Stu_Grade
1	VtU8387	K A JAYA SURYA	B.Tech	CIVIL	1157CE914	Remediation of Contaminated Soils	Pass	A
2	VTU8531	SAHITHYA CM	B.Tech	CIVIL	1157CE914	Remediation of Contaminated Soils	Pass	A
3	VtU7754	P SREE KAARAN	B.Tech	CIVIL	1157CE914	Remediation of Contaminated Soils	Pass	A
4	VtU8413	SATAV RISHAB GANESH	B.Tech	CIVIL	1157CE914	Remediation of Contaminated Soils	Pass	A
5	VtU6854	MAYINDI JEEVARAJ VENKATESH	B.Tech	CIVIL	1157CE914	Remediation of Contaminated Soils	Pass	A
6	VtU8455	DIKSHA SAMUEL	B.Tech	CIVIL	1157CE914	Remediation of Contaminated Soils	Pass	B
7	VtU6849	MALIKIREDDY VASUDHA	B.Tech	CIVIL	1157CE914	Remediation of Contaminated Soils	Pass	B

DINT/10-18/018

DINT/2018/550

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Our Ref. No: 2018-2019/VF 97 & 98	**Your Ref. No**:

Submitted for the Approval:

Name of the Professor: Prof. Dr. Mikael Motelica- Heino

University & Country : University of Orleans, France

Course Title: 1. Remediation of Contaminated Soils (15 Hrs)
2. Environmental Bio- geo Chemistry (15 Hrs)

Department : Course 1: Civil Engineering

Course 2: Bio Technology

Students : Course 1: 2016-2020 (44 students)+ 2 PG
Course 2: 2017-2021 (34 Students)

Program date: September 19-28, 2018

Sl. No	Description	Amount in EURO	Amount in INR
1	Course Honorarium (Rs.3000 * 30Hrs) **(Net Amount & Tax Free)**	1067	90000
2	Visa Processing Charges- Reimbursement (119 Euros) (1Euro= 79.3883 INR as on 15.08.2018)	119	9447
3	Taxi charges (From home to Airport) 164 Euros- (1Euro = 83.9293 INR as on 15.09.2018)	164	13764
	Total	**1347**	**1,13,221**

(Rupees One lakh thirteen thousand two hundred and twenty one only)

In this regard, I request your approval for transferring the amount in EURO to the following Account,

Name : Motelica Heino

Bank name: Credit Cooperatife

Account No: 42559100000402950933265

Bank code: 42559

Swift/BiC : CCOPFRPPXXX

Rmdt 3/10/2018
Entered in Budget Register
Pg. 24, Sl. 41.

Ashwin 1/10/2018

3/10/18

Thank You,

03/10/18

S. Sivaperumal

Director
International Relations
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology * 1997 *

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

School of Electrical & Communication

Department of Bio Technology

Specialized one credit course on

"Environmental Biogeochemistry"

(1157BT101)

by

Prof. Dr. Mikael Motelica- Heino

Universite of Orleans, France

Université d'ORLÉANS

Held on

Date: September 17 to 28, 2018

Mikael MOTELICA-HEINO



GENERAL INDICATIONS

Nationality :	French
Age :	46 years (1971)
Marital status:	married, 2 children
Qualification and current position :	Professor (full) at the University of Orléans (France)
Address:	2 placeVoltaire appt. 103 F-45100 Orléans tel.: + 33 6.46.16.64.87 e-mail: motelica.mikael@free.fr

PERSONAL PROFILE

Doctor in Environmental Science, a former research associate at the University of Lancaster (UK) and research scientist at the French Geological Survey (BRGM), I was appointed full professor in environmental geology at the University of Orléans (France) in 2006. I developed an expertise in the field of environmental science. Current research activities deal with the environmental biogeochemistry and mineralogy of trace elements in natural and anthropogenic terrestrial ecosystems and ecological restoration. I am the author of more than 80 publications in international peer-reviewed journals.

EDUCATION AND QUALIFICATIONS

2005 **Qualification** to the functions of French University professors sections 31 (chemistry) and 35 (geosciences)

2005 Habilitation **- HDR** (Habilitation à Diriger les Recherches) – in **Geochemistry**
Doctoral School of Earth and Life Sciences, University of Bordeaux I (France)
« Role of colloids in the transfer of metals and remobilisation of metals in sediment surface »

1999 **PhD** in **Environmental Analytical Chemistry**
Doctoral School of Exact Sciences and their Applications (mention « Chemistry and Microbiology of Water »), University of Pau (France)
« Development of the laser ablation ICP-MS system for the elementary analysis of solids. Application to the characterisation of trace metals in the environment »

1995 **M. Sc.** in **Oceanography**, University of Bordeaux I (France)

1994 **Engineer Degree,** Ecole Centrale, University of Technology, Nantes (France)

PROFESSIONAL CAREER

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Mikael MOTELICA-HEINO

From 2006 **University of Orléans (France)**
Professor of environmental geology at the Ecole Polytechnique of the University of Orléans, department of Civil engineering and environment. Reseacher at the Institute of Earth Sciences of Orléans (ISTO), UMR CNRS-University of Orléans-brgm.

2002-2006 **BRGM (French Geological Survey), Orléans (France)**
Research Scientist in biogeochemistry at the Monitoring, Measurements and Analysis Department (Isotopic geochemistry unit).

2002 **University of Bordeaux I (France)**
Invited professor at the Laboratory of Applied Geosciences.

1999-2002 **Lancaster University (UK)**
Research Associate in Environmental geochemistry at the Environmental Sciences Department (NERC Fellowship).

1999 **Jobin Yvon, Longjumeau (France)**
Consultant in analytical chemistry.

1996-1999 **Laboratory of Bio-Inorganic Chemistry and Environment (CNRS), University of Pau (France)**
Doctoral student and teaching assistant.

TEACHING ACTIVITIES

Practical works

Field geology (10h) Polytech'Orléans, University of Orléans (undergrad)

Cristallography, Mineralogy, petrology (30h) Polytech'Orléans, University of Orléans (undergrad)

Environmental field geochemistry (10h) Departement of Geology, University of Orléans (M1)

Polluted sites and soils (5h) Polytech Orléans, University of Orléans (M2)

Directed works

Geology (8h) Polytech'Orléans (undergrad)
Aquatic geochemistry (4h) Faculty of Sciences, University of Orléans (M1)
Numerical geochemical modelling (8h) Polytech'Orléans, University of Orléans (M2)
Polluted sites and soils (13h) Polytech'Orléans, University of Orléans (M2)
Anthropogenic soils and aquifers (6h) Departement of Geology, University of Orléans (M2)

Lectures

Geology (10h) Polytech Orléans, University of Orléans (undergraduate)

Geochemistry (10h) Polytech Orléans, University of Orléans (undergraduate)

Water geochemistry (8h) Faculty of Sciences, University of Orléans (M1)

Phytoremediation of soils (8h) Faculty of Sciences, University of Orléans (M1)

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Mikael MOTELICA-HEINO

Applied geochemistry (13h) Polytech Orléans, University of Orléans (M2)

Polluted sites and soils (20h) Polytech Orléans, University of Orléans (M2)
Anthropogenic soils and aquifers (8h) Departement of Geology, University of Orléans (M2)

Hydrogeology (8h) Faculty of Sciences, University of Orléans (M2)

RESEARCH ACTIVITIES

My research focuses on the biogeochemistry of trace elements. Understanding the transfer, accumulation and fate of anthropogenic metals and metalloids in the natural environment is necessary to assess the risks to ecosystems and human health. Several thematic axes have predominated in the work I have done in recent years:
Speciation of trace metals in surface waters
Biogeochemical processes in surface sediments
Geomicrobiology of acid mine drainage
Isotopic biogeochemistry of iron
Interaction of humic substances with clays
Ecodynamics of trace elements in contaminated and phytoremediated soils

PhD mentoring

2001-2007	PhD Lancaster University (UK) « Utilisation of DGT techniques for the measurement of the bioavaibility of metals in sediments» (Chris Naylor 50 %)
2002-2005	PhD University Bordeaux I (France) « Investigation of the functionnal varibilities of the organic colloids at the supra-molecular level» (Mohammed Baalousha 50 %)
2005-2008	PhD University of Helsinki (Finland) « Novel measuring techniques for dissolved metals, phosphorus and sulfide in the Baltic Sea sediments pore waters» (Hanna Kaasalainen 50 %)
2005-2008	PhD of the University of Marseille-IRSN (France) « Biogeochemistry of uranium in the sediment of continental aquatic systems : role of the bioturbation of benthic macro-invetebrates » (Sandra Lagauzere 30 %)
2006-2009	PhD of the University of Bordeaux I (France) : « Perspectives of phytoremediation with dual matrices in soils under constrain (contamination in metals, hydrological stress) » (Osama Negim 30%)
2008-2011	PhD University of Orléans « Qualification, quantification and inhibition of physico-chemical and microbiological phenomena that can impact the exploitability of the periodical storage of heat on aquifers » (Frédéric Garnier 50%)
2010-2013	PhD University of Orléans « Ecodynamic of trace elements and characterisation of the exposition in phytoremediated contaminated soils and technosoils » (Nour Hattab 50%)
2012-2014	PhD University of Orléans/University de Bucarest (Romania) « Synthesis and reactivity of iron oxides nanoparticules » (Simona Iconaru 50%)
2012-2015	PhD University of Orléans « Origin, mobility and fate of trace elements in contaminated soils and technosols » (Bashar Quasim 100%)
2014-2017	PhD University of Orléans « Transfert of micropollutants by urban run-off for different hydrological scenarios : geochemical and mineralogical approach » (Mohammed Al-Juhaishi 50%)

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Mikael MOTELICA-HEINO

2015-2017 PhD University of Orléans /University of Ouagadougou (Burkina Faso)
« Agroecological practices and indicaors of traditional and innovative agroecosystems of Burkina Faso: optimisation alternatives » (Aboubacar Coulibaly 50%)
2017-2020 PhD University of Orléans "Biogeochemistry of iron and associated contaminants (As, Cr, Cd) in environments submitted to changing redox conditions" (Fengfeng Zhang 50%)

Postdoctoral mentoring
2008-2009 Post-doctoral fellow « Contribution of HDL to the denitrification of groundwaters » (Mourad Intissar 100%)
2010 Post-doctoral fellow « Clay-humics interactions in the presence of metals » (Marcelo Giovanela 100%), CAPES
2012-2013 Post-doctoral fellow « Guarinoites for treating nitrates in groundwaters » (Rachid Esselhi 100%), Région Centre

M.Sc mentoring
2007-2008 M.Sc University of Orléans « Characterisation of colloids and nanoparticules of the Lake Pavin » (Lucie Tomé 50%)
2009 M.Sc University of Orléans «Investigation of th ecombined effects of the bioturbation activity of benthic macro-invertebrates and micro-organims on the uranium fluxes at the sediment-water interface » (Franck Le Moing 100%)
2009-2010 M.Sc University of Orléans (France) «Trapping of drugs and organic pollutants by modified clays and LDHs» (Julien Weiss 50%)
2012 M.Sc University of Orléans « Attenuation of the exposition to trace elements in contaminated soils by assisted phytoremediation (LD-slag) » (Alicia Cuvier 100%)
2012 M.Sc University of Orléans « Biological stimulation of soils and socioeconomic management of agrosystems in Burkina Faso » (Thomas Thiébault 100%)

UNIVERSITY SERVICES
2006-2007 Head of the international relations of the Ecole Polytechnique of the University d'Orléans
2008-2009 Responsible for international relations Civil engineering and environment department, Ecole Polytechnique of the University d'Orléans

Central councils University of Orléans
From 2008 Technical committee representative
From 2013 Committee for Health, Safety and Working Conditions representative

Board of directors University of Orléans
2011-2015 Elected member OSUC

Research institute council ISTO
From 2012 Nominated member

French National University Council (Conseil National des Universités) section 35 (geosciences)
From 2015 Elected member

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Mikael MOTELICA-HEINO

OTHER ACTIVITIES

Jury evaluator

Member of PhD (25) and Habilitation (5) jurys nationaly and internationaly

Associated editor

- International Journal of Environmental Protection
- Journal of Water Sciences Research
- Journal of Sustainable Architecture and Civil Engineering
- Arabian Journal of Geosciences

Reviewer

- Royal Society of Chemistry
- Talanta
- Estuarine Coastal and Shelf Science
- International Journal of Environmental Analytical Chemistry
- Marine Pollution Bulletin
- Geophysical Research Letter
- Applied Geochemistry
- Sustainability
- Biogeosciences Discussions
- Journal of Applied Physics
- Separation Science and Technology
- Nanoscale Research Letters
- Aquatic Geochemistry
- Journal of Hydrology
- International Journal of Environmental Protection
- Journal of Environmental Management
- Journal of Hazardous Materials
- Journal of Soils and Sediments
- Science of the Total Environment
- Journal of Nanomaterials
- Applied Clay Science
- Journal of Geochemical Exploration
- Earth Science Reviews
- Environmental Science and Technology

Member

- Geochemical Society (from 1999)
- American Society of Limnology and Oceanography (from 2002)
- American Romanian Academy of Arts and Sciences (from 2002)

Expertise

- Environmental Agency (UK)
- Jobin Yvon
- Finmer
- EGIDE (French Ministry of Foreign Affairs)
- INTAS
- Erasmus Mundus agency (France)

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Mikael MOTELICA-HEINO

PROFESSIONAL TRAINING

2006 Molecular dynamics modelling Explore (BRGM, France)
2006 Hydrogeology (BRGM, France)
2005 Arcview (BRGM, France)
2003 MapInfo (BRGM, France)
2002 SPPS (University of Lancaster, UK)
1996 Analytical geochemistry (CETAC Technologies, Omaha, NE, USA)
1993 Numerical modelling in fluid dynamics **(**Registro Italiano Navale, Genoa, Italy)

LANGUAGES

Finnish/French bilingual
English fluent (Cambridge Certificate of Proficiency)
German good skills, both oral and written
Italian basic

GRANTS (NB * Principal Investigator)

6th PCRD (EU)

2005-2007 « Knowledge and Need Assessment on Pharmaceutical Products in Environmental Waters" (630 000 €) *

INTAS (EU)

2002-2005 « Prospect for the development of natural-economic resources in the Kazakh Priaralie" (120 000 €) *

ANR (French National Research Agency)

20011-2013 « Fate of polyacrrylamide bases floculants in muds, industrial and natural waters and potential impcat of the aquatic ecosystems (AQUAPOL)» (60 000 €)

INSU-CNRS

2000-2007 « Biooxidation of Arsenic » (8000 €)
2004-2005 « Transfer processes and impact of arsenic and metals in a hydrosystem affected by acid mine drainage (10000 €)
2005-2006 «Mercury-colloids-bacteria-sediment (5000 €)
2006 « Biogeochemistry of iron and associated contaminants (5000 €)
2009-2010 « Contribution of biological and geochemical processes in the metallic contaminnats fluxes and their bioavailability at the sediment-water interface» (54 000 €) *
2015-2017 « Nanoengineered particles for contaminated sites remediation (NANOREMEDIATION) » (15000 €) *

NERC (UK)

2004-2005 « Isotopic signatures of microniches in surface sediment » (157 000 €)

Région Centre (France)

2007 « Contribution of HDL to the denitrification of groundwaters (TRAINIT) » (57000 €)
2008-2011 « Investigation tool of hydrogeological tracer tests (TRAC) » (10 000 €) *

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Mikael MOTELICA-HEINO

2008-2011 « Biological evaluation of the geothermal exploitation of an aquifer : laboratory experimentation (BIOTHERMEX) » (10 000 €)
2011-2013 « Biological stimulation of soils and socio-economic management of agrosystems in Burkina Faso (BIOSOL) (60 000 €) *
2011-2013 « Guarinoites for the removal of nitrates in drinking water (GRANITE) » (75 000 €)
2012-2014 « Ecosystemic services of the urban parks of the region Centre » (SERVEUR) (10 000 €)
2015-2017 « Requalification of polluted sites by phytoremediation » (RESTOR) (50 000 €)
2015-2017 « (K,Na)NiObates doped for new PiEzoElectrics» (K-NNOPEE) (20 000 €)
2016-2018 « Transfert of micropollutants by urban run-off for different hydrological scenarios » (RUTP-Orléans) (200 000 €) *
2017-2019 « Hydrosedimentary dynamics of the Brenne swamps» (DYNETANG) (50 000 €)

Région Nord (France)
2016-2018 «Agricultural practices in anthropized media : industrialized territories and societal questions» (PRAGMATICS) (200 000 €)

Conseil général du Loiret (France)
2015-2016 « Investigation of phytoremediation capabilities of 3 genotypes of Populus nigra L.» (EPHYPOP) (27 000 €)

OSUC (University of Orléans)
2009-2010 « Ecodynamic of contaminants in CCA polluted soils» (4 000 €) *
2014 « Transfer and reactivity of suspended matter in the Loire river: use of geochemical and mineralogical tracers » (4830 €) *
2016 « Hydrosedimentary and biogeochemical dynamics of the Brenne swamps » (4830 €) *

French Institute of Finland
SAMPO Laureate 2013 (1500 €) *

Nesling Fondation (Finland)
2005-2007 « Novel measuring techniques for dissolved metals, phosphorus and sulfide in the Baltic Sea sediments pore waters » (200 000 €)

Suomen Akateemia (Finland)
2014-2018 « Multiple lines of evidence in assessing ecotoxicological and human health risks of mine effluents and public perception (MINEVIEW) » (405 486 €)

LIST OF PUBLICATIONS

86 peer-reviewed articles in scientific journals
23 articles in conference proceedings
142 presentations at conferences

2309 citations (Google Scholar), H-index 25, I-10 index 53

Scientific articles in peer-reviewed journals (* PhD student)
A1. *M. Motelica-Heino,* P. Le Coustumer, J.H. Thomassin, A. Gauthier, O.F.X. Donard

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Mikael MOTELICA-HEINO

« Macro and Microchemistry of Trace Metals in Vitrified Domestic Wastes by Laser Ablation ICP-MS and Scanning Electron Microprobe X-Ray Energy Dispersive Spectroscopy »
Talanta 46 (1998) 407-422

A2. *M. Motelica-Heino,* A. Gauthier, P. Le Coustumer, J.H. Thomassin, O.F.X. Donard
« Impact Environnemental des Déchets Solides : nouvelles Techniques d'Evaluation »
Déchets, Sciences & Techniques 12 (1998) 16-21

A3. *M. Motelica-Heino,* O.F.X. Donard, J.M. Mermet
« Laser Ablation of Synthetic Geological Powders using ICP-AES Detection: Effects of the Matrix, Chemical Form of the Analyte and Laser Wavelength »
Journal of Analytical Atomic Spectrometry 4 (1999) 675-682

A4. P. Le Coustumer, *M. Motelica-Heino,* A. Gauthier, J.H. Thomassin,
« Long Term Behaviour of Ultimate Glassy Wastes »
Ceramic Transactions 93 (1999) 251-259

A5. S. Rauch, G. Morrison, *M. Motelica-Heino,* O.F.X. Donard
« Evaluation of Speciation, Transport and Ecological Risk of Palladium, Platinum and Rhodium in Urban Stormwater Systems »
Water Science and Technology (1999), vol. 1, 202-209

A6. S. Rauch, *M. Motelica-Heino,* G. M. Morrison, O.F.X. Donard
« Assessment of Sector Field ICP-MS with Ultrasonic Nebulization for the Determination of Platinum Group Elements in Road and Urban River Sediments »
Journal of Analytical Atomic Spectrometry 15 (2000), 329-334

A7. S. Rauch, G.M. Morrison, *M. Motelica-Hein* , O.F.X. Donard, M. Muris
« Elemental association and fingerprinting of traffic-related metals in road sediments »,
Environmental Science & Technology 34 (2000), 3119-3123

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E.72 S. Bourgerie, C. Macri, M. Lebrun, N. Hattab, F. Miard, L. Minuto, P. Gautret, L. Leforestier, JC. Leger, *M. Motelica-Heino*, D. Morabito
"Effect of Different Biochar to Reduce Metal(loid)s Availability in Contaminated Mining Soils and to Promote Poplar Growth"
18th International Conference on Heavy Metals in the Environment
Ghent (Belgique), 12-15 September 2016

E.73 A. Cavelan, A. Simonneau, J. Jacob, C. Le Milbeau, A. Belli, C. Di Giovanni, C. Gumiaux, P. Gautret, E. Garel, F. Huneau, *M. Motelica-Heino*, V. Pasqualini
« Dynamique sédimentaire récente et eutrophisation de la lagune de Biguglia : nature, origine et distribution des apports sédimentaires »
25e Réunion des Sciences de la Terre
Caen, 24-28 October 2016

E.74 M. Al-Juhaishi, *M. Motelica-Heino*, F. Muller, T. Thiebault, A. Simonneau
« Evaluation et estimation du transfert des éléments traces métalliques par les rejets urbains par temps de pluie (RUTP) sur des bassins versants de l'agglomération Orléanaise»
25e Réunion des Sciences de la Terre
Caen, 24-28 October 2016

E.75 T. Thiebault, F. Muller, C. Grosbois, C. Le Milbeau, M. Al-Juhaishi, *M. Motelica-Heino*
« Dynamique des contaminants associés aux particules en suspension par temps de pluie dans un réseau d'eau pluviale de l'agglomération orléanaise»

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25e Réunion des Sciences de la Terre
Caen, 24-28 October 2016

E.76 *M. Motelica-Heino*
"Transfer of Micropollutants by Urban Surface Runoff with Different Hydrological Scenarios"
Asem Seminar on Urban Water Management
Changsha (China), 19-20 October 2016,

E.77 M. Al-Juhaishi, *M. Motelica-Heino*, F. Muller, C. Le Milbeau, R. Zocatelli, J. Jozja, C.Défarge
« Evaluation de la qualité physico-chimique des rejets urbains par temps de pluie (RUTP) sur des bassins versants de l'agglomération orléanaise »
7èmes Journées Doctorales en Hydrologie Urbaine
Nantes, 11-12 October 2016

E.78 *M. Motelica-Heino*
"Ecological services and biophysical functioning of agroecosystems of Eastern Burkina Faso: a new paradigm for food security"
International Conference on Changing Food Systems in Africa: Agroecology and Food Sovereignty and their Role in Nutrition and Health
Addis Abeba (Ethiopia), 24-26 November 2016

E.79 *M. Motelica-Heino*, Yengué, J.L.
"Spatial variability of urban soils biogeochemical features"
9th international congress Soils of Urban Industrial Traffic Mining and Military Areas
Moscow (Russia), 22-26 May 2017

E.80 M.P. Norini, *M. Motelica-Heino*, F. Battaglia-Brunet, D. Morabito, S. Bourgerie, P. Gautret
"Biogeochemical processes of trace metallic elements in the rhizosphere of phytostabilizing plants"
Goldschmidt Conference on Geochemistry
Paris, 13-18 August 2017

E.81 *M. Motelica-Heino*, L. Le Forestier, R. Guégan, M. Mench
"Potentially toxic elements bioavailability in phytoremediated contaminated soils predicted by diffusive gradient in thin films"
DGT 2017
Gold Coast (Australia), 6-8 September 2017

E.82 A. Coulibaly, *M. Motelica-Heino*, E. Hien
"Effect of agroecological practices on fertility of a cultivated tropical ferigineous soil of eastern burkina faso"
Joint 5th SASA International Conference & 2nd Rwanda Biotechnology Conference
Kigali (Rwanda), 4-6 October 2017

E.83 *M. Motelica-Heino*
"Improving research capacities for bioremediation and phytoremediation of metal(loid)s"
58 Annual Conference of Association of Microbiologists of India (AMI-2017) & International Symposium on Microbes for Sustainable Development: Scope & Applications
Lucknow (India), 16-19 November 2017

E.84 *M. Motelica-Heino*, R. Guégan, S. Iconaru, C. Popa, C. Ciobanu, D. Preddoi
"Geoengineered nanoparticles for environmenal remediation : hydroxyapatites, clays, LDH and iron oxides"
Advanced Materials World Congress 2018
Singapore, 4-8 February 2018

Poster

F1. *M. Motelica-Heino*, J.J. Zhu, O.F.X. Donard
« Analysis of Environmental Solid Samples by IR and UV Laser Ablation ICP-MS »
4th INTERNATIONAL CONFERENCE ON PLASMA SOURCE MASS SPECTROMETRY
Durham (UK), October 1996

F2. *M. Motelica-Heino*, O.F.X. Donard, P. Lecoustumer, J.J. Zhu
« Comparison of Infrared and Ultraviolet Laser Ablation for ICP-MS »
EUROPEAN WINTER CONFERENCE ON PLASMA SPECTROCHEMISTRY
Gent (Belgium), January 1997

F3. *M. Motelica-Heino*, O.F.X. Donard
« Evaluation of the analytical potential of LA-ICP-MS for environmental chemistry »
14èmes JOURNEES FRANCAISES DE SPECTROMETRIE DE MASSE
Lille (France), September 1997

F4. *M. Motelica-Heino*, O.F.X. Donard, R. Payling, P. Chapon, P. Lecoustumer

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« 3-D Mapping of Metals in Vitrified Domestic Wastes by LA-ICP-MS and GD-OES »
WINTER CONFERENCE ON PLASMA SPECTROCHEMISTRY
Scottsdale (USA), January 1998

F5. *M. Motelica-Heino*, O.F.X. Donard, D. Günther, R. Frischknecht
« Trace and Distribution Analysis of Environmental Solid Samples by Laser Ablation Microprobe coupled to the ICP-MS »
WINTER CONFERENCE ON PLASMA SPECTROCHEMISTRY
Scottsdale (USA), January 1998

F6..*M. Motelica-Heino*, O.F.X. Donard, J.M. Mermet
« A Critical Look at the Analysis of Powders by Tandem Laser Ablation Inductively Coupled Plasma technologies»
PITTSBURG CONFERENCE ON CHEMISTRY
New Orleans (USA), March 1998

F7. *M. Motelica-Heino*, C. Deraed, O. Hogeurieux
« Analysis of Chlorine in Water using ICP-OES»
DEAUVILLE CONFERENCE Symposium on Analytical Sciences
Valence (Spain), June 1998

F8. A. Gauthier, *M. Motelica-Heino*, J.H. Thomassin, O.F.X. Donard, P. Le Coustumer
« Potential Mobility of Heavy Metals from Ultimate Solid Wastes »
ISSUES IN ENVIRONMENTAL POLLUTION
Denver (USA), August 1998

F9. *M. Motelica-Heino*, P. Chapon, P. Lecoustumer, O.F.X. Donard,
« Metals Profiling in Glassy Wastes by GD-OES »
EUROPEAN WINTER CONFERENCE ON PLASMA SPECTROCHEMISTRY,
Pau, January1999

F10. *M. Motelica-Heino*, J.M. Mermet, O.F.X. Donard,
« Laser Ablation ICP-AES Analysis of Model Environmental Samples: Effects of the Matrix, Chemical Form of the Analytes and Laser Wavelength »
EUROPEAN WINTER CONFERENCE ON PLASMA SPECTROCHEMISTRY
Pau, (France) January 1999

F11. *M. Motelica-Heino*, A. Gauthier, O.F.X. Donard, J.H. Thomassin, P. Le Coustumer
« Nouveau modèle de diffusion des métaux lourds à partir de résidus d'incinération d'ordures ménagères vitrifiés »
INTERNATIONAL CONFERENCE ON WASTE STABILISATION AND ENVIRONMENT
Lyon (France), April 1999

F12. *M. Motelica-Heino*, H. Garraud, O.F.X. Donard
« Solid Characterization by LA-ICP-MS: Trace and Micro-Analysis »,
9TH INTERNATIONAL METROLOGY CONFERENCE
Bordeaux (France), October 1999

F13. *M. Motelica-Heino*, O.F.X. Donard, P. Le Coustumer
« Micro and Nanofeatures of Laser Ablation and their significance for LA-ICP-MS »
WINTER CONFERENCE ON PLASMA SPECTROCHEMISTRY
Fort Lauderdale (USA), January 2000

F14. *M. Motelica-Heino*
« Mesure et modélisation dynamique de la remobilisation de métaux lourds dans les sols et sédiments par DGT »,
Journée Nationale d'Etude des sols
Orléans (France) 22-24 October 2002

F15. *M. Motelica-Heino*
« Mesure et modélisation dynamique de la remobilisation de métaux lourds dans les sols et sédiments par DGT »
Première rencontre nationale de la recherche sur les sites et sols pollués : bilan et perspectives
Paris (France), 12-13 December 2002

F16. C. Naylor, W. Davison and *M. Motelica-Heino*
« Simultaneous determination of trace metals and sulphide in sediments »
SETAC
Plymouth (UK), 15-18 September 2002

F17. *M. Motelica-Heino*, M. Robert, A Cocherie
« High precision measurement of lead isotopes in natural waters by MC-ICP-MS »
2003 European Winter Conference on Plasma Spectrochemistry

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Garmisch-Partenkirchen (Germany), 12-17 January 2003.

F18. P. Le Coustumer, *M. Motelica-Heino,* A. Gauthier & K Lafdi
« Valorization of vitrified REFIOM «
Entretiens de l'Environnement, **Les Déchets**, Pau 26-27 Mars 2003

F19. *M. Motelica-Heino*
« Mesure et modélisation dynamique de la remobilisation de métaux lourds dans les sols et sédiments par DGT »
Journée Nationale d'Etude des sols
Orléans (France), 22-24 Octobrer 2002

F20. M. Baalousha, N. Guigues, *M. Motelica-Heino,* P. Le Coustumer
« Séparation et caractérisation à l'échelle nanométrique des colloïdes aquatiques par TEM »
5ème Colloque sur la Matière organique Naturelle (Groupe Français de l'IHSS)
Clermont-Ferrand (France), 26-28 March 2003

F21. M. Baalousha, F. Krammer, *M. Motelica-Heino,* P. Le Coustumer
« Three dimensional description of colloids and particles by FFF-MALLS and TEM »
European Colloid and Interface Society
Firenze (Italy), September 2003

F22. *M. Motelica-Heino*, Davison,
« Microbial Mats and Trace Metals Interaction in Surface Sediments uncovered by DGT Micro-scale Measurements **»**
International Conference on the Biogeochemistry of Trace Elements
Uppsala (Sweden), 15-19 June 2003

F23. *M. Motelica-Heino*, N. Guigues, I. Allan,
« Dissolved mercury in water by the DGT techniques in the river Ribble, UK »
2nd International Passive Sampling Workshop and Symposium
Bratislava (Slovakia), 3-6 May 2006

F24. N. Guigues, *M. Motelica-Heino*, P. Petrova, R. Schaffer, J. Knutsson
« Heavy metals monitoring in the Daugava (LV) and the Aller (D) River Basins using DGT and Chemcatcher techniques »
2nd International Passive Sampling Workshop and Symposium
Bratislava (Slovakia), 3-6 May 2006

F25. S. Valet, P. Le Coustumer, *M. Motelica-Heino*
« Les techniques de contrôle du ruissellement et du report hydrique comme outils de gestion et de valorisation agro-forestières : séquestration du carbone et augmentation de la biomasse »
Les rémanents en foresterie et agriculture- Les branches : matériau d'avenir
Lyon (France), 1-2 February 2007

F26. S. Valet, P. Le Coustumer, *M. Motelica-Heino,* S. Galup
« Variabilité structurale et physico-chimique des croûtes superficielles des sols de la vallée du Syr Daria (Kazakhstan) »
32èmes Journées Scientifiques du Groupe Francophone d'Humidimétrie et Transferts en Milieux Poreux
Nantes (France), 21-22 November 2007

F27. S. Valet, P. Le Coustumer, *M. Motelica-Heino*
« Rôle de l'encroutement superficiel des sols sur leur fonctionnement hydrique : conséquences hydrologiques et hydropédologiques »
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Nantes (France), 21-22 November 2007

F28. S. Valet , *M. Motelica-Heino*, P. Le Coustumer, P.S. Sarr
« The Sudano-Sahelien grove : a multi-scale ecological alternative face to climatic change »
13th IWRA World Water Congres
Montpellier (France), 1-4 September 2008

F29. S. Valet , *M. Motelica-Heino*, P. Le Coustumer, P.S. Sarr
« The run-off on Sudano-Sahelien zones : a salutary oxymore »
13th IWRA World Water Congres
Montpellier (France), 1-4 September 2008

F30. S. Valet , *M. Motelica-Heino*, P. Le Coustumer
«Bulk density prediction : case of heterogenous sudano-sahelian soils (Niger)»
Workshop on Soil Physical Quality and Organic Matter
INRA Orléans (France), 7 October 2008

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F31. D. Jézéquel, E. Viollier, G. Michard, F. Lopes, A. Groleau, G. Sarazin, F. Prévot, A. Thiam, L. Harrault, Y. Darmoul1, P. Agrinier, V. Busigny, N. Assayag, M. Ader, S. Lafortune, M. Moreira, F. Guillon, P. Albéric, *M. Motelica-Heino*, S. Binet, L. Tomé, G. Abril, L. Bergonzini, S. Huon, B. Tassin, C. Bonhomme, M. Saad, M. Poulin
« Geochemical signatures in Lake Pavin (Massif Central, France): New evidences from METANOX program (2006-2008) »
Congrès interdisciplinaire organisé par la Fédération des Recherches en Environnement du site clermontois
Interactions entre les processus physico-chimiques et microbiologiques dans l'environnement
Aubières (France), 22-24 October 2008

F32. *M. Motelica-Heino*, H. Kaasalainen, M.Leivuori, A. Kotilainen
« Pore water dynamics of iron, manganese and phosphate at the sediment-water interface in the Gulf of Finland (Baltic Sea) measured using DGT »
American Society of Limnology and Oceanography Aquatic Sciences Meeting
Nice (France), 25-30 Januar 2009

F33. M. Intissar, A. Seron, Fabien Giovanelli, *M. Motelica-Heino* and F. Delorme
« Substitution effect of divalent cation into (Cu1-xMgxAl – CO3) LDH material »
Hybrid Materials
Tours (France), 15-19 March 2009

F34. M. Intissar, A. Seron, D. Breeze, *M. Motelica-Heino* and F. Delorme
« Influence de la composition cationique et du mode de synthèse sur les propriétés d'Hydroxydes Doubles Lamellaires »
Groupe Français des Argiles
Toulouse (France), 14-16 April 2009

F35. R. Guegan, F. Muller, J.M. Beny, *M. Motelica-Heino*, A. Seron
« Confinement of surfactants in various lamellar porous materials »
14th International Clay Conference
Castellanete Marina (Italy) 14-20 June 2009

F36. S. Rahmatullaev, F. Huneau, M. Bakiev, P. Le Coustumer, *M. Motelica-Heino*
« Reservoir sedimentation in Uzbekistan: case study of the Akdarya Reservoir »
8th IAHS Scientific Assembly/37th IAH Congress
Hyderabad (India) 6-12 September 2009

F37. L. Février, A. Pelfrêne1, F. Le Moing, J.-M. Bonzom, F. Coppin, *M. Motelica-Heino*, R. Gilbin
«Uranium measurement by DGT: validation of the DGT technique in simplified media and first deployment in a naturally contaminated sediment»
Conference on DGT and the Environment
Santa Margherita di Pula (Italy) 7-9 October 2009

F38. S. Valet, *Motelica-Heino* and P. Le Coustumer
« Principal Ecological Services from the Association of Multistratified Networked Ccultures: a chance against the climatic change and globalisation.»
XIth ESA CONGRESS AGRO 2010
Montpellier (France), 29 August-3 September 2010

F39. S. Valet, *Motelica-Heino*, P.S. Sarr and P. Le Coustumer
« Chiselling or Ploughing in Face to the Climate Change in the Sudan Sahelian Zone? Millet yield and AET prediction »
XIth ESA CONGRESS AGRO 2010
Montpellier, 29 August-3 September 2010

F40. *M. Motelica-Heino*, J.-M. Bonzom, F. Le Moing, L. Février, A. Martin-Garin, V.Chapon
« Remobilisation d'Uranium à partir de Sédiments Lacustres en Mésocosme. Influence de la Bioturbation »
Colloque de restitution EC2CO
Toulouse (France), 23-25 November 2010

F41. *M. Motelica-Heino*, J.-M. Bonzom , F. Le Moing, L. Février, A. Martin-Garin , V. Chapon
« Remobilisation of uranium from contaminated sediments : effect of the bioturbation »
International Conference on the Biogeochemistry of Trace Elements
Firenze (Italy), 4-7 July 2011

F.42 N. Hattab, *M. Motelica-Heino*, O. Faure, J.L. Bouchardon, R. Guégan, X. Bourrat, M. Mench
« Ecodynamic of Trace Metals in Contaminated Soils and Technosols »
International Conference on the Biogeochemistry of Trace Elements

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Firenze (Italy), 4-7 July 2011

F43.N. Hattab, *M. Motelica-Heino*, O. Faure, J.L. Bouchardon, R. Guégan, X. Bourrat, M. Mench.
« Ecodynamic of trace metals in contaminated soils and technosols »
International Phytotechnology Conference
Portland (USA), 13-16 September 2011

F.44 N. Hattab, *M. Motelica-Heino*, R. Guégan, X. Bourrat, O. Faure , J.L. Bouchardon, M. Mench
« Effect of the organic amendments on the ecodynamics of trace metals in polycontaminated alkaline technosol »
4th International Congress EUROSOIL
Bari (Italy) 2-6 July 2012

F.45 N. Hattab, M. Soubrand, R. Guégan, *M. Motelica-Heino*, X. Bourrat, O. Faure, J.L. Bouchardon
« Effect of Humic substance on the mobility of trace elements in the contaminated technosol »
7th International Conference of the Urban Soils Working Group, SUITMA
Torun (Poland) 16-20 September 2013

F.46 S.L. Iconaru, C.S. Ciobanu, *M. Motelica-Heino*, R. Guegan, A. Costescu, P. Le Coustumer, E.S. Barna, D. Predoi
« Novel hydroxyapatite composites for Pb(II) removal »
International Conference on Environmental Science and Engineering
Paris (France), 7-8 October 2013

F.47 B. Qasim, *M. Motelica-Heino*
« Potential toxic element fractionation and phytoavailability assessment in technosoils from former smelting and mining areas»
EGU
Vienna (Autria), 27 April-2 May 2014

F.48 B. Qasim, D. Morabito, S. Bourgerie, A. Gauthier, M. Motelica-Heino
« Potential phytostabilization of soils contaminated with Cd, Pb and Zn from a former smelting area »
International Congress on Phytoremediation of Polluted Soils
Vigo (Spain), 28–29 July 2014

F.49 S. Iconaru, *M. Motelica-Heino*, R. Guégan, A. Prodan, P. Le Coustumer, C. Ciobanu, D.Predoi
« Characterization and toxicity evaluation of iron oxide in a silica matrix for removing arsenic ions from aqueous solutions »
24e Réunion des Sciences de la Terre
Pau, October 2014

F.50 L. Le Forestier, *M. Motelica-Heino*, P. Le Coustumer, M. Mench
« Ecodynamique d'éléments traces en contexte de phytostabilisation aidée par des laitiers dans un sol sableux contaminé en cuivre »
24e Réunion des Sciences de la Terre
Pau, October 2014

F.51 A. Cuvier, L. Pourcelot, A. Claustres, F. Panza, P. Van Beek, A. Simonneau, M. Enrico, D. Galop, F. Mazier, G. Le Roux, X. Cagnat, *M. Motelica-Heino*
"Spatial repartition and disequilibrium of natural radionuclides from the U-Th decay chains in a small catchment in the French Pyrenees"
24e Réunion des Sciences de la Terre
Pau, October 2014

F.52 S. Bourgerie, *M. Motelica-Heino*, B. Sajaloli, J.L. Yengué, D. Morabito
"Functional profiles of soil microbial populations under various climatic conditions and agricultural practices in Burkina-Faso"
First Global Soil Biodiversity Conference
Dijon, 2-5 December 2014

F.53 S. Bourgerie, *M. Motelica-Heino*, I. Limam, J.L. Yengué, D. Morabito
"Soil microbial diversity and related soil functioning in urban parks"
First Global Soil Biodiversity Conference
Dijon, 2-5 December 2014

F.54 B. Qasim, *M. Motelica-Heino*, D. Morabito, S. Bourgerie, A. Gauthier
"The effect of nitrogen addition on rhizospheric soil pore water properties and Zn, Pb and Cd mobility and uptake by Populus euramericana Dorskamp in contaminated technosol"
Rhizosphere 4
Maastricht (Netherlands), 21-25 June 2015

F.55 *M. Motelica-Heino*, S. Valet, J.L. Yengue, S. Bourgerie, B. Sajaloli, E.Hien
"A new agro-ecologic paradigm for food security in the sudano-sahelian zone"
Wageningen Soil Conference 2015 'Soil Science in a Changing World'

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Wageningen (Netherlands) 23 - 27 August 2015

F.56 M., Al-Juhaishi, *M. Motelica-Heino*, F. Muller, F. Le Moing, C. Le Milbeau, T. Thiébault, A. Guirimand-Dufour, C. Défarge
« Transfert des micropolluants par les RUTP pour différents scénarios hydrologiques dans l'Agglomération Orléanaise : résultats Préliminaires »
3ème Colloque des Zones Ateliers
Paris, 14-16 October 2015

F.57 *M. Motelica-Heino*, N. Hattab, T. Lomaglio, R. Guégan, F. Miard, S. Bourgerie, D. Morabito
"Remediation of post-mining and smelting metal contaminated soils with biochar"
Green and Sustainable Chemistry Conference
Berlin (Germany) 3-6 April 2016

F.58 *M. Motelica*-Heino, B. Qasim, S. Bourgerie, D. Morabito, A. Gauthier
"Biogeochemical Processes in the Rhizosphere of Populus Euramericana Dorskamp Involved in the Phytosabilization of Cd, Pb and Zn in Contaminated Technosol with N Addition"
Goldschmidt Geochemistry Conference
Yokohama (Japan) 26 Juin-1 July 2016

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Title: Environmental Biogeochemistry.

Contents :

1. Introduction to concepts in geochemistry
2. Biogeochemical cycles
3. Principles of Aqueous Geochemistry
4. Biogeochemistry of organic pollutants
5. Biogeochemistry of trace metals
6. Soil biogeochemistry
7. Geochemical applications in global climate change.

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Office of International Programmes

Visiting Professor Programmes

Details of Professor & Course:

Name of the Professor	Prof. Dr. Mikael MOTELICA-HEINO (CV Attached)
University & Country	University of Orleans, France
Title of the Course	Environmental Bio geo chemistry
Department	Bio Technology
Dates of the Course	September 17 to 28, 2018
Total No. of Hours	15
No. of Credits	1
Course Content	Attached

Prepared by:
Coordinator – Directorate of Intl. Relations

Forwarded by:
Director - Intl. Relations

HoD

Dean SoEe

Director (Academic)

Vice Chancellor 3/10/2018

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
Schedule for Short Courses by Prof. Dr. Mikael Motelica Heino, University of Orleans, France

	8.45 to 9.45	9.45 to 10.45	10.45 to 11.45	11.45 to 12.45	12.45 to 13.45	13.45 to 14.45	14.45 to 15.45
17.09.2018		BT				BT	BT
18.09.2018	BT	BT				BT	BT
19.09.2018						Civil	Civil
20.09.2018	BT		Civil	Civil		BT	BT
24.09.2018			Civil	Civil	Lunch		BT
25.09.2018			Civil	Civil		BT	BT
26.09.2018			Civil	Civil		Civil	Civil
27.09.2018			Civil	Civil		BT	BT
28.09.2018		BT	Civil	Civil			

For Biotech Dept (BT)- Environmental Bio Geo Chemistry
For Civil- Remediation of Contaminted Soils

SNo	Stu_Id	Stu_Name	Stu_Degree	Stu_Branch	Stu_Semester	Stu_Test_SubjectCode	Stu_Test_SubjectName	Stu_Subject_PassFail	Stu_Grade
1	VtU10736	AMAN CHAKRABORTY	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	Pass	A
2	VtU10744	GUNDUMALLIE REHANA	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	NE	NE
3	VtU10745	NAFISA.S	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	RA	RA
4	VtU10749	SWEETY KUMARI SAH	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	Pass	D
5	VtU10756	SHORLOK BENNY	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	Pass	D
6	VtU8746	SHANUJA J	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	Pass	A
7	VtU8829	SANGEETHAN SB	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	Pass	S
8	VtU9315	NEHA KANDARI	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	Pass	B
9	VtU9340	D POOJA	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	RA	RA
10	VtU10494	SUDESHNA DAWN	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	Pass	B
11	VtU10517	ANJU BOIPAI	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	Pass	A
12	VtU10535	SHERAB GYATSHO BHUTIA	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	RA	RA
13	VtU10537	ABHIJITH P B	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	Pass	A
14	VtU10567	KAJAL SINGH	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	Pass	D
15	VtU10569	SAYAN LASKAR	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	RA	RA
16	VtU10570	J.SUREGA	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	RA	RA
17	VtU10643	SAYANTIKA NATH	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	RA	RA
18	VtU10663	RAJAT KUMAR	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	RA	RA
19	VtU10683	RIDABET MARBOH	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	Pass	D
20	VtU10694	LAWANDAHUN KHARSYNTIEW	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	RA	RA
21	VtU10695	IBANSARALANG KHARTHANGMAW	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	RA	RA
22	VtU10735	ABHISHEK RAM	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	Pass	D
23	VtU10356	PALLAB KALITA	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	Pass	B
24	VtU10390	KRITUPARNA SAHA	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	RA	RA
25	VtU10404	SHALINI PRIYANGA.C	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	Pass	C
26	VtU10444	JOHNLAMPHRANG DIENGDOH	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	Pass	B
27	VtU10797	SUTIRTHA SAMANTA	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	Pass	C
28	VtU10880	DONALD LYNGDOH NONGLAIT	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	Pass	S
29	VtU10884	PALLABIKA BORAH	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	RA	RA
30	VtU9722	LOVELY MATHEW	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	RA	RA
31	VtU9970	AMANDEEP KAUR	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	NE	NE
32	VtU10325	M ANANDI	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	RA	RA
33	VtU10328	CH MADHAVI	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	RA	RA
34	VtU10458	OLIVIA KHARBHIH	B.Tech	Bio-Tech	3	1157BT101	Environmental Biogeochemistry	NE	NE

DINT/10-18/018

DINT/2018/550

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Our Ref. No: 2018-2019/VF 97 & 98	**Your Ref. No**:

Submitted for the Approval:

Name of the Professor: Prof. Dr. Mikael Motelica- Heino

University & Country : University of Orleans, France

Course Title: 1. Remediation of Contaminated Soils (15 Hrs)
2. Environmental Bio- geo Chemistry (15 Hrs)

Department : Course 1: Civil Engineering

Course 2: Bio Technology

Students : Course 1: 2016-2020 (44 students)+ 2 PG
Course 2: 2017-2021 (34 Students)

Program date: September 19-28, 2018

Sl. No	Description	Amount in EURO	Amount in INR
1	Course Honorarium (Rs.3000 * 30Hrs) **(Net Amount & Tax Free)**	1067	90000
2	Visa Processing Charges- Reimbursement (119 Euros) (1Euro= 79.3883 INR as on 15.08.2018)	119	9447
3	Taxi charges (From home to Airport) 164 Euros- (1Euro = 83.9293 INR as on 15.09.2018)	164	13764
	Total	**1347**	**1,13,221**

(Rupees One lakh thirteen thousand two hundred and twenty one only)

In this regard, I request your approval for transferring the amount in EURO to the following Account,

Name : Motelica Heino

Bank name: Credit Cooperatife

Account No: 42559100000402950933265

Bank code: 42559

Swift/BiC : CCOPFRPPXXX

Rmdt 3/10/2018
Entered in Budget Register
Pg. 24, Sl. 41.

Ashwin 1/10/2018

3/10/18

Thank You,

03/10/18

S. Sivaperumal

Director
International Relations
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology * 1997 *

POLYTECH
ORLÉANS
École d'Ingénieurs de l'Université d'Orléans

BREI/AL/2020-32

Orléans, July 15th 2020

To whom it may concern,

I undersigned, Christine ROUSSELLE, Director of the International Office at Polytech Orleans, the engineering school of the University of Orleans, certify that **Yogesh KUMAR,** is currently registered in our department of Technologies for Energy, Aerospace and Engine.

He is awarded with the grade 13,5/20 for his project: Numerical and experimental tools for engine and propulsion systems.

The required grade to pass a course is 10/20.

C. Rousselle

POLYTECH ORLEANS
The Engineering School of
the University of Orleans
International office, Site Galilée
12 rue de Blois BP 6744
45067 ORLEANS Cedex 2 - FRANCE

Christine ROUSSELLE
Director of the International Relations Office
Polytech Orleans

POLYTECH
ORLÉANS
École d'Ingénieurs de l'Université d'Orléans

BREI/AL/2020-33

Orléans, July 15th 2020

To whom it may concern,

I undersigned, Christine ROUSSELLE, Director of the International Office at Polytech Orleans, the engineering school of the University of Orleans, certify that **Srichandan YERRAGUDI,** is currently registered in our department of Technologies for Energy, Aerospace and Engine.

He is awarded with the grade 16,7/20 for his project: Developing a new prototype "Urban concept" for Shell Eco-Marathon (aerodynamics of the vehicle).

The required grade to pass a course is 10/20.

C. Rousselle

POLYTECH ORLEANS
The Engineering School of
the University of Orleans
International office, Site Galilée
12 rue de Blois BP 6744
45067 ORLEANS Cedex 2 - FRANCE

Christine ROUSSELLE
Director of the International Relations Office
Polytech Orleans

POLYTECH
ORLÉANS
École d'Ingénieurs de l'Université d'Orléans

BREI/AL/2020-31

Orléans, July 15th 2020

To whom it may concern,

I undersigned, Christine ROUSSELLE, Director of the International Office at Polytech Orleans, the engineering school of the University of Orleans, certify that **Omer Ahmed Khan,** is currently registered in our department of Technologies for Energy, Aerospace and Engine.

He is awarded with the grade 10,2/20 for his project: Designing a test bench for electric vehicle.

The required grade to pass a course is 10/20.

C. Rousselle

POLYTECH ORLEANS
The Engineering School of
the University of Orleans
International office, Site Galilée
12 rue de Blois BP 6744
45067 ORLEANS Cedex 2 - FRANCE

Christine ROUSSELLE
Director of the International Relations Office
Polytech Orleans

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Date: 08 APR 2019

Admission Letter

To
Mr. Mario Andres CARDENAS MANTILLA,
Student, Polytech Orleans, France.

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Deemed to be University u/s 3 of UGC Act, Chennai is pleased to offer Admission to you for undertaking a Course Related Project Work under the guidance of its Faculty as a non – degree seeking Academic Exchange Student.

Further details are as given below:

Student's Affiliation	Polytech Orleans, France Studying: Engineering Masters Degree – Innovation in Design & Materials.
Proposed Period	03.06.2019 to 14.08.2019
Program details	Course Related Project Work at Vel Tech campus.
Passport Details	Passport No.: YB3021986; Expiry Date: 21.06.2028; Nationality: Italian.
Salary / Stipend	No salary / stipend will be paid by Vel Tech.
Other Conditions	1. Vel Tech will waive the admission and tuition fees 2. You will meet all the expenses related to travel, insurance, boarding & lodging at Chennai, incidentals, etc. 3. You will pay to Vel Tech equivalent of 150 Euro per month in Indian Rupees for food and lodging at Vel Tech Hostel. The entire amount for the full duration of stay shall be paid immediately on arrival. A part calendar month will be considered as a full month for charging purposes.
Contact Person at Vel Tech	Dr. S. Sivaperumal, Director International Relations. E Mail: dint@veltech.edu.in

08/04/19

(Dr.E.Kannan)
Registrar

Prof. Dr. E. Kannan
Registrar

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

No.42, Avadi - Vel Tech Road, Avadi,
Chennai, Tamil Nadu, Pincode - 600 062.
Toll Free: 1800 3070 6949
Landline: +91 44 2684 0262 / 2684 0605
Email : vtu@veltech.edu.in
Website: www.veltech.edu.in

Ref no: LI/7000

UNIVERSITE D'ORLEANS | Direction des Relations Internationales

ANNEXE 4 – STAGE MOBI-CENTRE

STAGE EN OU HORS EUROPE

Attestation de fin de stage - 2018/ 2019

Certificate of departure

À FAIRE COMPLETER EN FIN DE STAGE

ET À RETOURNER au BRI ou Bureau des stages de votre UFR, École, Institut avant le 15/10/2019

TO BE FILLED IN BY THE HOST INSTITUTION / COMPANY UPON ARRIVAL OF THE STUDENT

« Nous confirmons que Mme/Mlle/M.....

"We hereby confirm, that ~~Ms~~/Mr. Mario Andres Cardenas Mantilla

Etudiant de l'université d'Orléans effectue un stage dans notre l'établissement/entreprise :
student from the University of Orleans is performing an internship in our institution / company :

« du / *from* 03 / 06 /2019 Au / *to* 13 / 08 / 2019 ».

☐ Stage rémunéré : Montant.....
The placement is paid: Amount.....

☒ Stage non rémunéré
The placement is not paid

Lieu / *Place* : Avadi, Chennai

Date / *Date* : 13/08/2019

Nom et statut de la personne autorisée dans l'établissement/entreprise d'accueil Dr. S. Sivaperumal, Director International Relations
Name and position of the authorized person at the host institution/company

Signature
Signature 13/08/19

Cachet de l'établissement/entreprise :
Stamp of the institution/company:

Dr. S. Sivaperumal
Director International Relations
Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

TO BE FILLED IN BY THE STUDENT FROM UNIVERSITY OF ORLEANS

Je, soussigné(e) Mario Andrés Cárdenas Mantilla **.....reconnais avoir pris connaissance des dates ci-dessus mentionnées, qui déterminent la durée de mon séjour et le montant des aides financières correspondantes.**

Date et signature originale de l'étudiant(e) : 13/08/19

भारत गणराज्य REPUBLIC OF INDIA VK 8452880

VISA

VK8452880

VISA

उपनाम और नाम /Surname and Given Name

CARDENAS MANTILLA MARIO ANDRES

पासपोर्टसंख्या /Passport No
AQ389465

वीज़ा टाईप /Visa Type
S-6

प्रवेशों की संख्या/No Of Entries
SINGLE

जारी करने की तिथि /Date of Issue
21/05/2019

समाप्ति की तिथि /Date of Expiry(DD/MM/YYYY)
20/08/2019



विशेषपृष्ठांकन /Special Endorsement

VEL TECH , CHENNAI

ALSO HOLDS ITALIAN PPT. NO.YB3021986

IMMIGRATION INDIA
A3-105
03 JUN 2019
ARRIVAL
ANNA INTAIRPORT,CHENNAI

NO WORK / BUSINESS
NOT VALID FOR PROHIBITED/ RESTRICTED AND CANTONMENT AREAS

प्रयोजन बदलने की अनुमति नहीं है / Change of Purpose Not Allowed.

VSINDCARDENAS<MANTILLA<<MARIO<ANDRES<<<<<<<<<

VK8452880OCOL9609244M1908206FRAP<<<<<<<<<<<<<5

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Date: 08 APR 2019

Admission Letter

To
Mr. Lucas Araujo Duarte,
Student, Polytech Orleans, France.

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Deemed to be University u/s 3 of UGC Act, Chennai is pleased to offer Admission to you for undertaking a Course Related Project Work under the guidance of its Faculty as a non – degree seeking Academic Exchange Student.

Further details are as given below:

Student's Affiliation	Polytech Orleans, France Studying: Engineering Masters Degree – Innovation in Design & Materials.
Proposed Period	10.06.2019 to 09.08.2019
Program details	Course Related Project Work at Vel Tech campus.
Passport Details	Passport No.: FV192067; Expiry Date: 14.02.2028; Nationality: Brazilian.
Salary / Stipend	No salary / stipend will be paid by Vel Tech.
Other Conditions	1. Vel Tech will waive the admission and tuition fees 2. You will meet all the expenses related to travel, insurance, boarding & lodging at Chennai, incidentals, etc. 3. You will pay to Vel Tech equivalent of 150 Euro per month in Indian Rupees for food and lodging at Vel Tech Hostel. The entire amount for the full duration of stay shall be paid immediately on arrival. A part calendar month will be considered as a full month for charging purposes.
Contact Person at Vel Tech	Dr. S. Sivaperumal, Director International Relations. E Mail: dint@veltech.edu.in

(Dr.E.Kannan)
Registrar

Prof. Dr. E. Kannan
Registrar

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

No.42, Avadi - Vel Tech Road, Avadi,
Chennai, Tamil Nadu, Pincode - 600 062.
Toll Free: 1800 3070 6949
Landline: +91 44 2684 0262 / 2684 0605
Email : vtu@veltech.edu.in
Website: www.veltech.edu.in

VISAS VISAS

IMMIGRATION INDIA
A3-143
08 JUN 2019
ARRIVAL
ANNA INT AIRPORT,CHENNAI

वीज़ा VISA भारत गणराज्य REPUBLIC OF INDIA VK 8453465

VISA

VK8453465

उपनाम और नाम /Surname and Given Name
ARAUJO DUARTE LUCAS

पासपोर्ट संख्या /Passport No
FV192067

वीज़ा टाईप /Visa Type
S-6

प्रवेशों की संख्या/No Of Entries
MULTIPLE

जारी करने की तिथि /Date of Issue
29/05/2019

समाप्ति की तिथि /Date of Expiry(DD/MM/YYYY)
19/08/2019

विशेषपृष्टांकन /Special Endorsement
VEL TECH,CHENNAI

NO WORK / BUSINESS

NOT VALID FOR PROHIBITED/ RESTRICTED AND CANTONMENT AREAS

प्रयोजन बदलने की अनुमति नहीं है / Change of Purpose Not Allowed.

VSINDARAUJO<DUARTE<<LUCAS<<<<<<<<<<<<<<<<<<<<<<
VK8453465BRA9407255M1908192FRAP<<<<<<<<<<<<<<9

UNIVERSITE D'ORLEANS | Direction des Relations Internationales

ANNEXE 4 – STAGE MOBI-CENTRE

STAGE EN OU HORS EUROPE

Attestation de fin de stage - 2018/ 2019

Certificate of departure

À FAIRE COMPLETER EN FIN DE STAGE

ET À RETOURNER au BRI ou Bureau des stages de votre UFR, École, Institut avant le 15/10/2019

TO BE FILLED IN BY THE HOST INSTITUTION / COMPANY UPON ARRIVAL OF THE STUDENT

« Nous confirmons que Mme/Mlle/M.....
"We hereby confirm, that ~~Ms~~/Mr.....Lucas Araujo Duarte

Etudiant de l'université d'Orléans effectue un stage dans notre l'établissement/entreprise :
student from the University of Orleans is performing an internship in our institution / company :

« du / *from* 10 / 06 /2019 Au / *to* 09 / 08 / 2019 ».

☐ Stage rémunéré : Montant.....
The placement is paid: Amount.....

☒ Stage non rémunéré
The placement is not paid

Lieu / *Place* : Avadi, Chennai

Date / *Date* : 09/08/2019

Nom et statut de la personne autorisée dans l'établissement/entreprise d'accueil : Dr. S. Sivaperumal, Director International Relations.
Name and position of the authorized person at the host institution/company

Signature
Signature

09/08/19.

Cachet de l'établissement/entreprise :
Stamp of the institution/company:

Dr. S. Sivaperumal
Director International Relations
Vel Tech
Rangarajan Dr. Sagunthala
Deemed to be University u/s 3 of UGC Act, 1956

TO BE FILLED IN BY THE STUDENT FROM UNIVERSITY OF ORLEANS

Je, soussigné(e) ARAUJO DUARTE Lucas .....reconnais avoir pris connaissance des dates ci-dessus mentionnées, qui déterminent la durée de mon séjour et le montant des aides financières correspondantes.

Date et signature originale de l'étudiant(e) :

Lucas Araujo Duarte
09/08/2019

Delegates Visited :

1. Prof. Dr. Christine Mounaïm-Rousselle (Professor, Engineering School, PRISME Laboratory (Energy, combustion, engine team),
2. Prof. Camille Hespel (Researcher, PRISME Laboratory)
3. Prof. Ivan Fedioun (Director, Corporate Relations)

Designation **:** Professor and Vice-President for International Affairs

University & Country **:** The Institut National Polytechnique Toulouse, France

Date Visited **:** 25.02.2020

Purpose: Prof. Dr. Christine Mounaïm-Rousselle, Professor, Engineering School, PRISME Laboratory (Energy, combustion, engine team), Prof. Camille Hespel, Researcher, PRISME Laboratory and Prof. Ivan Fedioun, Director, Corporate Relations of Polytech Orleans, France visited Vel Tech for a conference and also visited Directorate of International Relations on 25th Feb., 2020 regarding the Exchange of Incoming Students from Polytech Orleans for Project & Course works and discussed towards strengthening the areas of current collaboration.