

DA/7419
2/8/18

28st July 2018

To

Science and Technology,

Science and Technology,

Rs. 1,75,000/- advance
X to reimburse
one DST
return
Saurav
7/8

tend an International

G24.0.1

ntation in 21st International
es to be held at Dublin City

Through proper channel

Respected Sir,

Sub: Requesting advance cash and permission to attend an International Conference at Dublin, Ireland.

624.0.1

One of my research papers has been accepted for oral presentation in 21st International Conference on Advances in Materials and Processing Technologies to be held at Dublin City University, Dublin, Ireland from 4th to 7th September 2018. DST-SERB has recommended my international travel support (ITS) proposal. The sanctioned proposal includes economic class air fare, airport tax, visa fees, and registration fees. DST-SERB will reimburse all expenditure of conference within maximum three months from the date of conference. I request you to kindly allow me to attend this international conference. I request you to grant me an advance cash of **Rs. 1,75,000/- that I will reimburse** once I receive it from DST-SERB. The acceptance letter from international conference and SERB recommended proposal is attached herewith you kind reference.

Thanking You.

Yours Sincerely

D. Perry

(D. Rajamani)

Recommended & forwarded
The faculty D. Rajamani is a
dedicated, sincere faculty. He has
published 5 papers in SCI journals
two in progress.
His request may be considered.

~~Recommended &
Forwarded~~

$28 \overline{) 28}$

SCIENCE & ENGINEERING RESEARCH BOARD (SERB)
(Statutory Body Established Through an Act of Parliament : SERB Act 2008)

Science and Engineering Research Board
5 & 5A, Lower Ground Floor
Vasant Square Mall
Sector-B, Pocket-5
Vasant Kunj
New Delhi - 110 070

File Number: ITS/2018/003124

Dated: 27-Jul-2018

To
Mr. D Rajamani,
Vel Tech Rangarajan Dr. Sagunthala R & D Institute Of Science And Technology , No.42, Avadi-vel Tech
Road,Avadi, Chennai, Chennai, Tamil Nadu-600062

Subject: Financial Assistance to Mr. D Rajamani for participating in "International Conference on
Advances in Materials & Processing Technologies, Ireland (04 September, 2018 to 07 September, 2018)"

Sir/Madam

We are happy to inform you that your application seeking financial grant to attend the above mentioned international scientific event has been recommended for support by the Science and Engineering Research Board (SERB). We will provide to and fro economic class air-fare by the shortest route, airport tax , visa fees & registration fees. It is hoped that the support will give you an opportunity to interact with leading international experts in the area. The support, however, is subject to the following conditions.

1. You should not have received financial support during the last three years under this scheme.

2. The air tickets are to be booked in economy class by the shortest route in a national carrier i.e. Air India. It may be noted that rescheduling/cancellation charges will not be reimbursed.

3. SERB is directed to instruct the applicant to purchase the air tickets directly from Airlines (Office, Booking counters, /Website) or from any of the Govt. authorized travel agents viz. Balmer Lawrie & Company Limited (BLCL), Ashok Travels & Tours (AT) and Indian Railways Catering and Tourism Corporation Ltd. (IRCTC) vide order no. 19024/22/2017-E.IV dated 19.07.2017 issued by Department of Expenditure, Ministry of Finance. In case of failure of adherence to this guideline, air fare will not be reimbursed.

4. E-ticket is acceptable provided the amount of the fare is clearly reflected on the ticket.

5. The signed print copy of Claim Form along with the original Boarding passes and other relevant documents must be sent to the SERB immediately after completing the online Claim Form to the following address.

ITS Section
5 & 5A, Lower Ground Floor



Dear Dr. Rajamani,

Date: 07/06/2018

Many thanks for submitting your abstract for the AMPT2018 International conference. After the review by the Technical Committee, we are pleased to inform you that the abstract of your paper (# 132) has been accepted for Oral presentation at the AMPT2018 International Conference on Advances in Materials & Processing Technologies, which will be held from 4th – 7th September 2018, in Dublin City University, Ireland.

We cordially invite you to attend the conference and present your Abstract/Paper titled "Investigation of sintering parameters on viscoelastic behaviour of selective inhibition sintered parts". Your abstract will be published in the Book of Abstracts to be made available to the delegates attending the conference.

Please note that your full paper will be peer reviewed for publication in the Journal of AMPT (JAMPT) published by Taylor & Francis Publishers.

We are very looking forward to facilitate presentation of your research abstract and ideas at our conference, and we look forward to seeing you at the conference. The Schedule of presentation of your abstract/Paper will be notified to you and will also be available in the Conference Website soon after the closing date for submission of abstracts.



Best wishes,

Shadi Karazi

Dr Shadi Karazi

AMPT 2018 Event Coordinator

PP Prof Dermot Brabazon, BE, PhD, CEng, FIMechE, MIEI
Chairman of the AMPT 2018 Organising Committee
School of Mechanical & Manufacturing Engineering,
Faculty of Engineering & Computing,
Dublin City University, Glasnevin, Dublin 9, Ireland.
Tel: 353-1-700-8213, Fax: 353-1-700-7148.
E-mail: dermot.brabazon@dcu.ie

Application for ITS

File No : ITS/2018/003124 (Ver-1)



Event Details	Applicant Details
International Conference On Advances In Materials & Processing Technologies (04 September, 2018 to 07 September, 2018) Dublin City University, Dublin (Ireland) https://ampt2018.org/ Mechanical & Manufacturing Engineering & Robotics (Engineering Sciences)	Mr. D Rajamani (Young Scientist) Assistant Professor, Mechanical Engineering manimurugan1991@gmail.com D.o.B. : 07 June, 1990 (28 yrs) Mob: +919159150299 Passport No. : P2673340 Aadhaar No. : 820796038834 Vel Tech Rangarajan Dr. Sagunthala R & D Institute Of Science And Technology (Deemed University (Private)) No.42, Avadi-vel Tech Road, avadi, Chennai Chennai-600062 (Tamil Nadu)

Purpose of Visit

Event Type : Conference

Presenting Paper : Oral

No of Paper to be presented : 1

Author : D. Rajamani, E. Balasubramanian

Visit Schedule : 02 September, 2018 to 08 September, 2018

Abstract(s) Paper(s) Details :

Selective Inhibition Sintering (SIS) is a contemporary additive manufacturing (AM) technology to built intricate parts with less cost. The dynamic mechanical properties of sintered specimens in SIS process is significantly affected through materials such as polymer and inhibitor, complex geometry and process parameters. Improving viscoelastic behaviour in SIS process progresses functional ability of end-use components. The present work investigates the dynamic mechanical properties such as loss modulus and storage modulus of SIS processed high density polyethylene parts with reference to various process parameters such as thickness of layer, heat energy and its feedrate, and inhibitor nozzle feedrate. The test specimens are fabricated using the developed SIS system. Experimental study and mathematical modelling was accomplished based on statistical box-behnken response surface methodology. The result of analysis of variance (ANOVA) revealed that the layer thickness followed by printer feedrate and heater feedrate are the dominating variables on dynamic mechanical properties. The optimal operating conditions of selected process variables was presumed using genetic algorithm. The results revealed that the settings of low layer thickness and high heater energy with medium heater feedrate and medium printer feedrate is beneficial for improving dynamical mechanical properties of sintered specimens.

superalloy sheet		Technology					
Examining mechanical strength characteristics of selective inhibition sintered HDPE specimens using RSM and desirability approach	D. Rajamani and A. Tamilarasan	IOP Conference Series: Material Science and Engineering	234	2	012002 - 012002	2017	No
Fuzzy and regression modeling for Nd: YAG laser cutting of Ti-6Al-4V superalloy sheet	D. Rajamani and A. Tamilarasan	Journal for Manufacturing Science and Production	16	3	153 - 162	2016	Yes

Anticipated Expenses Details

SNo.	Budget Description	Funding Required from SERB (in Rs.)
1	Fare both ways (Flight)	151000
2	Visa Fee	7200
3	Registration	31000
Grand Total (in Rs.)		189200

Any other information which you may like to furnish in support of your application :