



Centre for Computational Aerodynamics and Shock Waves

Dr. R. Naren Shankar

Professor-Aeronautical Engineering

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Dr. R. Naren Shankar is working in the fields of High Speed Jet Flows, Shock waves, CFD, Gas Dynamics, with a focus on coaxial jet mixing applications. He has made significant scientific contributions, reflected in his 45 publications and an h-index of 8. Notable publications are in Journal of Physics of Fluids, International Journal of Heat Transfer and Fluid Flow, Institution of Mechanical Engineers, Part G Journal of Aerospace Engineering and so on. He has successfully completed three major funded research projects, including DST-SERB TARE project, DRDO-NSTL, and the Vel Tech Seed Fund scheme. He has completed one consultancy project from Preethi Kitchen Appliances Pvt. Ltd. He has research collaborators from prestigious institutions like IIT Madras, IIT Kanpur, NIT Prayagraj and Universiti Sains Malaysia. With the support of Veltech and DST SERB TARE, he has established the state of the art High Speed Aerodynamics Laboratory worth of Rs. 18.5 Lakhs.

Looking for PhD students to work in the following areas

- High Speed Jet Flows, Applied Gas Dynamics.
- Shock waves and its applications on medicine and biotech,
- Computational Fluid Dynamics,
- Solid Propellant Burning

Facilities available

- ✓ High Speed Aerodynamics Laboratory
- ✓ Solid Propellant Burning window bomb facility
- ✓ Hypersonic Shock Tunnel Facility
- ✓ Other necessary facilities for research activities
- ✓ Free access of research articles in Elsevier journals

Benefits and opportunities

- Monthly fellowship of Rs. 25,000/- for three years
- Publication in SCI-indexed high impact journals
- National and International collaborations

Contact details

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