

## REGISTRATION DETAILS:

Participants are requested to send their filled in registration form to the organizing secretaries on or before 25<sup>th</sup> July 2021 at the link given below. Confirmation will be sent through email communication only. Those interested to be attendees also can register in the same link (below) without uploading the abstract.

Attendees and presenters will be honored with an e-certificate respectively. Registration is free but limited and available on first come first served basis.

Link for registration : <https://forms.gle/gR4rtSzheQWUrrZd6>

(or) <https://tinyurl.com/vitrgu2>

## DATES TO REMEMBER

**Abstract Submission (last date) : 25<sup>th</sup> July, 2021**

**Decision on Abstract Submission : 31<sup>st</sup> July, 2021**

**Webinar Presentation : 7<sup>th</sup> Aug, 2021**

## ONLINE MEETING

Participants are requested to attend the online meeting and discussion. The meeting ID and detailed schedule would be announced later after registration.

## ADDRESS FOR COMMUNICATION

### R. Manimaran

Associate Professor, School of Mechanical Engineering (SMEC), Vellore Institute of Technology, Chennai 600127, India. E-mail: [manimaran.r@vit.ac.in](mailto:manimaran.r@vit.ac.in)

### Mamdud Hossain

Reader, School of Engineering (SoE), Robert Gordon University, Garthdee Road, Aberdeen AB10 7GJ, United Kingdom. E-mail: [m.hossain@rgu.ac.uk](mailto:m.hossain@rgu.ac.uk)



## VELLORE INST. OF TECH. (VIT), CHENNAI, INDIA

VIT for the past 35 years has made a mark in the field of higher education in India imparting quality education in a multi-cultural ambience, intertwined with extensive application-oriented research. VIT was established with the aim to provide quality higher education on par with International Standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. VIT was established by well-known educationalist and former parliamentarian, Dr. G. Viswanathan, Founder and Chancellor, a visionary who transformed VIT into a center of excellence in higher technical education. Govt. of India recognized VIT as an Institution of Eminence (IoE). ARIIA, Govt. of India recognized VIT as a No. 1 Private University for Innovation. MHRD, Govt of India ranked VIT as No. 15 among the Engineering Institutions (NIRF-2020 ranking). VIT Chennai is ably spearheaded by Mr. Sankar Viswanathan, Vice President, Dr. Rambabu Kodali, Vice Chancellor and Dr. V. S. Kanchana Bhaaskaran, Pro-Vice Chancellor. They share in the mission to make VIT a global center.

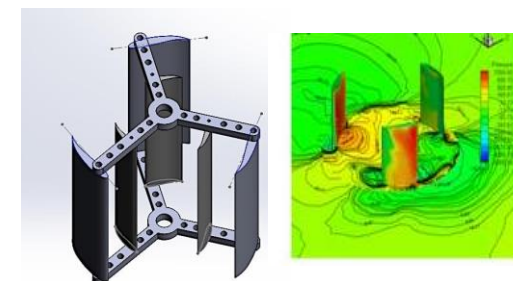
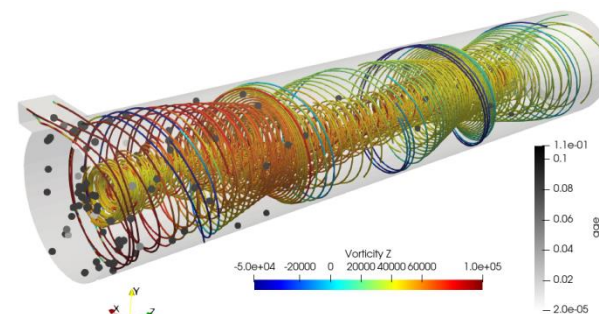
## ROBERT GORDON UNIVERSITY, SCOTLAND, UK

Robert Gordon University provides industry led undergraduate and postgraduate courses leading to highly relevant awards and degrees. Situated on one of the most beautiful campuses in the UK, the university provides facilities that will have a real influence on your capacity to learn. RGU has a heritage going back 250 years and was awarded university status in 1992. Throughout its development, the university has remained committed to creating equal opportunities to access a relevant and valuable education. It is made up of eleven schools and offers over 300 courses ranging from engineering, architecture, computing, and life sciences to the creative industries, health and social care, and business. It has a student population of over 16,500, who study on-campus and online. The university is making significant investment to grow its globally impactful research in key areas including subsea, energy, sustainable transport; built environment visualisation; industrial biotechnology; smart data and artificial intelligence.



## 2<sup>nd</sup> International Webinar on Modeling Thermo-fluids

7<sup>th</sup> August 2021



## Coordinators

R. Manimaran (SMEC, VIT Chennai, India)

Mamdud Hossain (SoE, RGU, Scotland, UK)

## About SMEC (VIT Chennai)

School of Mechanical Engineering (SMEC) at VIT Chennai was established to impart state-of-the art education, training and research in the field of Mechanical Engg, Mechatronics and Automation for under-graduate and postgraduate program (M.Tech.) in CAD/CAM, Mechatronics and Ph.D. / M.S. (Research). The school has established itself as the best mechanical engineering college in Chennai through its interdisciplinary approach and innovative teaching methods. The school consists of various research groups like Design & Automation, Manufacturing and Thermal & Automotive. The school is headed by **Dr. Sivakumar R**, Professor & Dean. The school has all the teaching faculty with doctorates giving high emphasis for research along with innovative teaching methods which helps to involve students in research and project based learning in the school. The research outcomes in the form of publications and patents are the testament to the world class, global standard infrastructure and research laboratory facilities available in the school.

## About SoE (RGU Scotland)

School of Engineering at RGU develop Engineers with the ability to solve problems and to undertake challenging and complex projects in all walks of life. SoE combines a wide-range of expertise in engineering with purpose-built facilities and strong commercial links to provide well-rounded and practical education; supporting life-long-learning. SoE works closely with local, national and international companies to ensure that we continue to meets the demands of employers and their changing industries. The result is an impressive suite of flexible degree programmes at all levels. Research at the RGU's School of Engineering is aimed at providing innovative and practical solutions to industrial problems, with particularly strong industry focus on Advanced Materials, Instrumentation & Sensors, and Energy. The School of Engineering boasts modern, purpose-built laboratories and facilities, equipped with the very latest engineering technology, ensuring our academic and researchers always have access to 'the right tools for the job'. School of Engineering Staff boast a very wide range of expertise, reflected in the portfolio of innovative and flexible research programmes offered by the School.

## ABOUT THE WORKSHOP

This webinar focuses on modeling the fluid dynamics and heat transfer phenomena from experimental/theoretical subjects. In this background, the objective of this webinar is to provide the basic knowledge of modeling the phenomena using software/experimental tools and extend to innovation with discussion in an open forum environment. In addition to keynote speakers, presenter is being sought from budding researchers (B.E / B.Tech / M.Sc / M.Tech / Ph.D / Postdoc).

## ABSTRACT SUBMISSION

These should include the paper title, authors and affiliations, a short-written summary (250-350 words), figures (optional) and any references (if applicable). There are no prescribed styles or templates, but all abstracts should be submitted either as word or pdf documents within one page.

## RESOURCE PERSONS

**Session 1 :** (IST)10.00 AM to 10:40 AM - **Conjugate Heat Transfer in a Micro-Channel Heat Sink - Dr. R. Thundil Karuppa Raj, SMEC, Vellore Inst. of Tech. Vellore, India**

**Session 2 :** (IST) 10.45 AM to 11:30 AM - **Exhaust gas particulate flows in a Vortex Tube for EGR - Dr. R. Manimaran, SMEC, Vellore Inst. of Technology. Chennai, India**

**Session 3:** (IST) 11:30 AM to 1:00 PM - Presentation by Participants

**Session 4 :** (IST) 02.00 PM to 02:45 PM - **CFD for developing leak detection in multiphase Oil and Gas Pipeline - Dr. Aditya Karnik, SoE, Robert Gordon University, Aberdeen, UK.**

**Session 5 :** (IST) 02.50 PM to 03:35 PM - **Fluid Dynamics and Covid-19 Transmission- Dr. Mamdud Hossain, SoE, Robert Gordon University, Aberdeen, UK.**

**Session 6 :** (IST) 3:35 PM to 5:00 PM - Presentation by participants



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7<sup>th</sup> August 2021  
REGISTRATION FORM

Name :  
Designation :  
Organization :  
Address for Correspondence:

PIN code :  
Phone :  
E-mail ID :

Date:

Signature