

## REGISTRATION DETAILS:

Registration Web-Link :

<https://forms.gle/MTjUJhk15reGtrwV7>

## PAYMENT DETAILS:

Payment Link :

<http://www.vitchennaievents.com/conf/>

Please search for “modeling thermo” event. and pay according to your profile academia/industry

## DATES TO REMEMBER

Receipt of Applications : 5<sup>th</sup> Aug 2020

Confirmation to participants: 6<sup>th</sup> Aug 2020

## ONLINE MEETING

Participants are requested to attend the online meeting and discussion over Zoom online platforms. The meeting information and online platform would be announced later by an email after the registration and payment.

E-certificates will be provided to the participants after the webinar.

## ADDRESS FOR COMMUNICATION

**Dr. R. Manimaran**

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Thermal and Automotive Research Group,  
School of Mechanical Engineering (SMEC),  
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VIT Chennai

## VELLORE INSTITUTE OF TECHNOLOGY, INDIA

VIT has made a mark in the field of higher education in India by providing quality education on par with international standards, through its 35 years of existence in a cross-cultural ambience with extensive application-oriented research. VIT Chennai is a globally engaged, competitive, comprehensive and research-enriched university campus strategically positioned in the capital city of Tamil Nadu, to respond to major industrial, social, economic and environmental demands and challenges. VIT Chennai is ably spearheaded by **Dr. Sekar Viswanathan**, Vice President, **Dr. Anand A. Samuel**, Vice Chancellor and **Dr. V. S. Kanchana Bhaaskaran**, Pro Vice Chancellor of VIT Chennai.

## 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 visualization; industrial biotechnology; smart data and artificial intelligence.



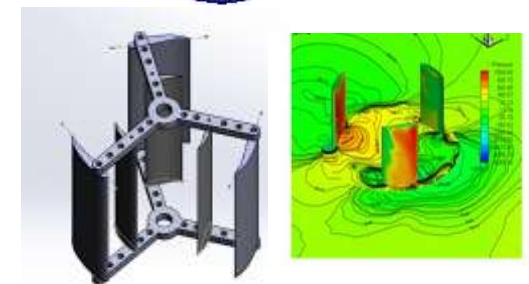
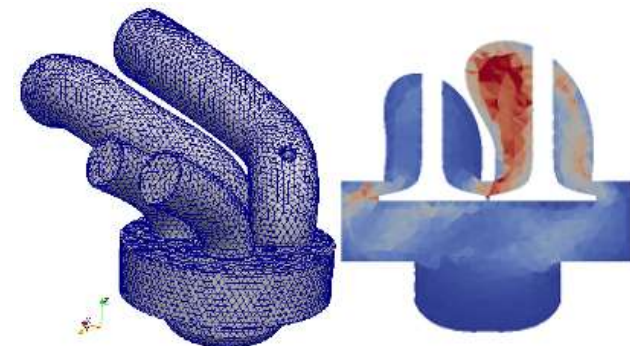
Robert Gordon University



**VIT**  
Vellore Institute of Technology  
(Deemed to be University under section 3 of UGC Act, 1956)  
CHENNAI



**International Webinar on  
Modeling Thermo-Fluids  
8<sup>th</sup> August 2020**



## 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 engineering for under-graduate and postgraduate program (M.Tech.) in CAD/CAM, Mechatronics and Ph.D. / M.S. (Research). The school consists of various research groups like Thermal & Automotive, Design & Automation and Manufacturing. The school is headed by **Dr. Sivakumar R**, Professor & Dean. Almost all the teaching faculty of the school are 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 meet 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. It addresses the basic knowledge and tools required for modeling and investigations of flow field in emerging field such as oil and gas, renewable energy etc. An open discussion is also scheduled at the end of every session for possible collaboration and interaction in near future apart from imparting the contemporary knowledge of thermal and fluids modeling to engineers working in industries and academia.

## RESOURCE PERSONS

The sessions will be handled by academic experts from private and national universities.

**Inaugural Talk (IST 09:30 to 10:05 AM) :** Vortex flow modeling using Salome / OpenFOAM / Paraview by **Dr. R. Manimaran, SMEC, VIT Chennai, India**

**Session 1 (IST 10:10 to 10:50 AM):** CFD Analysis and Optimization of Two-Stage Efficient Desalination Process using Ansys / Fluent by **Dr. D. Devaprakasam, SMEC, VIT Chennai, India**

**Session 2 (IST 11:05 to 11:55 AM) :** Modeling and thermodynamic analysis of droplet vaporization using Matlab by **Dr. Saleel Ismail, Mech Engg. Dept, NIT Calicut, India**

## INTERMISSION

**Session 3 (IST 01:40 to 02:30 PM) :** Capacity testing of severe service control valves by

**Dr. Taimoor Asim, Robert Gordon University, Aberdeen, UK.**

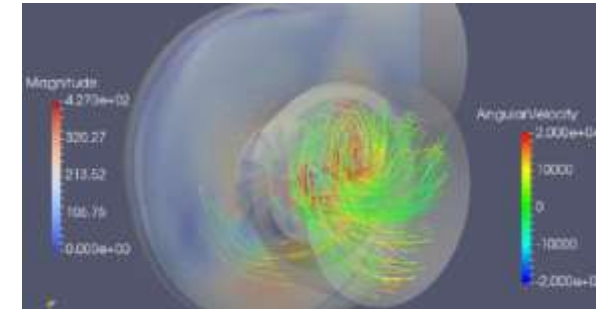
**Session 4 (IST 02:45 to 03:25 PM) :** Multiphase flow modelling techniques for Oil & Gas applications by **Dr. Aditya Karnik, Robert Gordon University, Aberdeen, UK.**

**ValedictoryTalk (IST 03:35 to 04:25 PM) :** Multiphase Flow Modelling for Renewable Energy using Ansys Fluent / OpenFOAM by

**Dr. Mamdud Hossain, Robert Gordon University, Aberdeen, UK.**



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## International Webinar on Modeling Thermo-Fluids

8<sup>th</sup> August 2020

## REGISTRATION FORM

(Scan QR code below or click link in the previous page)

