

# Organizing Committee

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- Dr. Ravi Kumar Gupta, Assoc. Professor, Mechanical Engineering, MUJ
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- Prof. Indra Vir Singh, Mechanical and Industrial Engg, IIT Roorkee
- Prof. Vinayak Ranjan, Visiting Professor, Rowan University, USA
- Prof. Vivek Dua, Department of Chemical Engineering, University College London.
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- Prof. Kailash Singh, Dept of Chemical Engg, MNIT Jaipur
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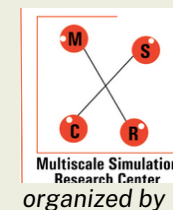
**MANIPAL**  
**UNIVERSITY JAIPUR**

University under Section 2(f) of the UGC Act

*As Part of MUJ Decennial Year Celebration*

**International Conference on  
Recent Advances in Modeling and Simulations  
Techniques in Engineering and Sciences  
(RAMSTES-2021) December 8-10, 2021  
[In Online Mode]**

**Website**



**Multiscale Simulation Research Center (MSRC)**  
in association with Departments of Mechanical,  
Civil and Chemical Engineering  
Manipal University Jaipur, India



## Event Brief

Multiscale Simulation Research Center (MSRC), with Departments of Mechanical, Civil, and Chemical Engineering at Manipal University Jaipur (MUJ) is organizing a three days International Conference on “Recent Advances in Modeling and Simulation Techniques in Engineering and Sciences [RAMSTES-2021]” to be held on 8-10, December 2021 at MUJ. The event will be a platform for understanding current state-of-the-art modeling and simulation techniques applied to modern engineering and science problems from renowned experts. The RAMSTES-2021 will also provide opportunities to the young and energetic scientists and engineers working on various facets of engineering and science problems to share their knowledge. The program will be very beneficial to the faculties, researchers, and scientists, and engineers working in the domain of computation, modeling, and simulation.

## About Manipal University Jaipur

The Manipal Education Group, with its heritage of excellence in higher education for over 60 years, launched Manipal University Jaipur (MUJ) in 2011. The permanent campus of the university, set up on 122 acres of land at Dehmi Kalan Village near Jaipur, is by far one of the best universities in the region. The Manipal University has more than 500 well-qualified faculties and about 9000 students. In line with Manipal University's legacy of providing quality education, the university uses the latest and innovative methods and technology to impart education.

## Multiscale Simulation Research Center

The Multiscale Simulation Research Center (MSRC) is the central high-end computational facility of MUJ established in 2019. It caters to the needs of the faculties, researchers, and students working in the domain of computational analysis of multiscale and multi-physics problems in engineering and science.

The MSRC works to develop novel computational methods for complex engineering and science problems. The center also provides consultancy to the industries working on design and analysis.

## Keynote Speakers

- Prof. Vishnu Pareek, Dean of Engineering, Curtin University, Australia.
- Prof. Anoop Kumar Mukhopadhyay, Dean FOS, Department of Physics, Manipal University Jaipur
- Prof. Shamsher Bahadur Singh, Department of Civil Engineering, Birla Institute of Technology and Science, Pilani
- Prof. S. Gopalakrishnan, Aerospace Engg, Indian Institute of Science, Bangalore
- Prof. D.J. Bergstrom, Department of Mechanical Engg, University of Saskatchewan Saskatoon SK, Canada
- Prof. Sandeep Chaudhary, Department of Civil Engineering, Indian Institute of Technology, Indore
- Prof. Vivek Dua, Department of Chemical Engineering, University College London.

## Conference Themes

### Conference Topics included, but are not limited to

- Computer-Aided Analysis and Design
- Computational Mechanics and materials
- Multiscale Analysis and Simulation
- Computational Hydraulics
- Climate Modeling
- Product Design and Development
- Process Modeling and Simulation
- Nature-inspired Design and Development
- Atomistic and Molecular Dynamics Simulations
- Nanoindentation, and Fracture
- AI, ML, and Computer Vision for Civil, chemical, and Mechanical Engineering
- Rapid Prototyping and Additive Manufacturing
- Optimization

## Important Dates

- Last date to submit Abstract: 30 September 2021
- Acceptance of Abstract Notification: 5 October 2021
- Last date to submit Full-length paper: 5 November 2021
- Early Bird Registration: 15 October 2021

## Publication Scopus

- AIP Proceedings  
(<https://aip.scitation.org/journal/apc>)

- International Journal of Product Life Cycle Management  
**Selected full-length manuscripts in the scope of the journal will be submitted for the peer review process**

*More journals will be included in the list.*

## Registration

- Students/Scholars: INR 8,500.00
- Faculties/Scientists/Professionals: INR 10,000.00
- Only Presentation (without publication): INR 2000.00
- Foreign Participation: USD 200.00

## Submit your Abstract at

[ramstes.muj@gmail.com](mailto:ramstes.muj@gmail.com)

## For More Information, Contact:

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