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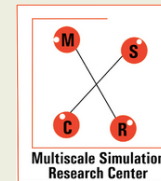
**MANIPAL UNIVERSITY
JAIPUR**
(University under Section 2(f) of the UGC Act)

2nd International Conference on Recent Advances in Modeling and Simulations Techniques in Engineering and Science (RAMSTES-2022)

November 9-11, 2022

organized by

Multiscale Simulation Research Center (MSRC) and
FlexMEMS Research Centre (FMRC)
in association with SAMM, SEEC, & SCCE



In Hybrid Mode



Please visit us at

<https://ramstes.in/>

Event Brief

Multiscale Simulation Research Center (MSRC), with the Departments of Mechanical, Civil, Chemical, and Electronics & Communication Engineering at Manipal University Jaipur (MUJ) is organizing the second International Conference on Recent Advances in Modeling and Simulation Techniques in Engineering and Sciences (RAMSTES 2022) from November 9-11, 2022. The first version of it was organized on December 8-10, 2021 at MUJ. The event has been planned to be a platform for understanding current state-of-the-art modeling and simulation techniques applied to modern engineering and science problems from renowned experts. Like its first version in 2021, the RAMSTES-2022 will also provide opportunities for 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, 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 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 to complex engineering and science problems. The center also provides consultancy to the industries working on design and analysis. Currently, eight Ph.D. scholars from different engineering and science departments of Manipal University Jaipur are working at the center. Three funded research projects and one consultancy are also in progress currently at the center.

Keynote & Invited Speakers

- Prof. Romesh C. Batra, Department of Biomedical Engineering and Mechanics, Virginia Tech, USA
- Prof. Alain Bernard, Emeritus Professor, Centrale Nantes, France.
- Prof. Nikhil Gupta, Department of Mechanical and Aerospace Engineering, NYU-Tandon School of Engineering, New York, USA
- Prof. IV Singh, Department of Mechanical and Industrial Engineering, IIT Roorkee
- Prof. Laltu Chandra, Department of Sustainable Energy Engineering, IIT Kanpur
- Prof. Tarikul Islam, Faculty of Engineering and Technology, Jamia Milia Islamia, Delhi
- Dr. Daniel Lester, Associate Professor, STEM, School of Engineering, RMIT University, Australia
- Dr. Fernando MAS, Chief Technical Officer, Science, Technology and R&D, M&M Group, University of Sevilla, Spain
- Dr. Mayank Mishra, Assistant Professor, Civil Engineering, IIT Bhubneshwar

Conference Themes

Conference Topics include, but are not limited to

- Computer-Aided Analysis and Design
- Computational Mechanics and Materials
- Multiscale Analysis and Simulation
- Product Design and Development
- Process Modeling and Simulation
- Nature-inspired Design and Development
- Atomistic and Molecular Dynamics Simulations
- MEMS/NEMS and Biosensors Modeling and Integration
- Rapid Prototyping and Additive Manufacturing

Please visit our website (<http://ramstes.in>) for more detail

Important Dates & Publication

- Last date to submit the Manuscript: 22 October 2022
- **Acceptance for Presentation Notification:** 25 October 2022



Scopus Indexed Q1, and Q2

Scopus indexed Q4



- The full length articles will be published in the Materials Today Proceedings
- Selected full-length manuscripts within the scope of the journals will be sent for peer review and publication

Submission Link

The extended abstract should be submitted at

<https://easychair.org/my/conference?conf=ramstes2022>

Registration Fee and Link

- Students/Scholars: INR 6,500.00
- Faculties/Industry Participant/Scientists: INR 7,500.00
- Only Presentation (without publication): INR 2000.00
- Foreign Participation (with publication): USD 250.00

Register yourself at shorturl.at/aow35

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