

TEQIP III

CALL FOR PAPERS RAM-2020

 Springer

TEQIP-III Sponsored
International Conference
on

Recent Advances in Manufacturing (RAM-2020)

3 – 5 July, 2020

Organized by



Department of Mechanical Engineering
S V National Institute of Technology
Surat – 395 007, Gujarat
Conference Website: www.ram2020.org

In association with

Professional Association in Modern Manufacturing Technologies,
ModTech Iasi-Romania

About the Organizer:

The Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat is one of the NITs in India, established in 1961. It was set up with the objective to provide high quality technical education to meet the needs of the Nation in the present competitive world. Since its inception, the Department of Mechanical Engineering is one of the pioneering departments of the institute. Presently, the department offers one UG course, five PG programs, and Ph.D. programs to promote basic research activities in the areas of Mechanical Engineering. The consulting services and R&D work in diverse fields of mechanical Engineering are also being carried out with the support of well-equipped workshop, laboratories, and computing facilities.

Conference theme & Objectives:

The role of manufacturing in the country's economy and societal development has long been established through their wealth creation activities. To deepen and broaden our knowledge of manufacturing and to increase innovation and responsiveness to ever increasing international needs, more in-depth studies are critically needed at this juncture of global competitive scenario. To tackle the different issues and to cope up with the changing environment of manufacturing technology. Six national conference on "Recent Advances in Manufacturing" have been successfully conducted during 2010-2016. In this line, international conference on "Recent Advances in Manufacturing" is now planned. The aim of RAM-2020 is to bring together specialists and practitioners from Industries, R&D institutes and Academician and to provide the forum for exchange of ideas.

Note:

Registration fee should be paid online through the NEFT transfer during notified period. Bank account details are available on conference website.

Technical Programmes:

The conference will include keynote lectures by renowned experts in the field of Advanced Manufacturing. Accepted papers on current topics of interest on Manufacturing will be presented in parallel sessions.

Submission of Papers:

Papers are being solicited in the technical areas as listed, but not limited to, in the conference topics. The authors are requested to send original contribution of on - going and unpublished research work related to manufacturing engineering. Soft copy (PDF file) of full paper having six to ten pages must be submitted through conference website strictly as per format notified on the website. Title, authors, affiliation, address, phone and e-mail of the authors must be included. Authors will be notified about the acceptance/ revision/rejection of the paper in time.

Conference topics:

The conference aims to attract research papers in the following major tracks but not limited to thereof:

Track I - Advances in Manufacturing Processes

- Conventional and unconventional material removal processes
- Material forming processes
- Casting processes
- Welding and joining processes
- Micro and nano manufacturing processes
- Surface coating methods
- Additive manufacturing processes
- Laser technology and applications
- Advances in cutting tool design
- Dimensional and surface metrology, Surface integrity and tribology
- Sustainable and energy efficient manufacturing processes
- Chemical and biochemical Manufacturing and processing
- Smart manufacturing
- Simulation, modelling/analysis of manufacturing processes
- Application of Artificial intelligence techniques
- Other advanced manufacturing processes

Track II - Advances in Manufacturing Systems

- Resource planning and simulation
- Planning and scheduling
- CAD/CAM, Robotics and automation
- CAE and Reverse Engineering
- Wireless sensors and sensor networks for manufacturing
- Manufacturing systems of renewable energy devices, electric vehicles, biomedical devices etc.
- Computer Integrated Manufacturing systems
- Supply Chain Management
- Quality, reliability and safety, environment risk analysis
- Product life cycle management
- Collaborative Engineering
- Predictive maintenance methods
- Process monitoring, control and traceability technologies
- Mechatronics design and systems
- Cyber physical systems and cyber security
- Other advanced manufacturing systems

Contact person for any further details:

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