



NATIONAL INSTITUTE OF TECHNOLOGY ANDHRA PRADESH

CHENNAI – SRIKAKULAM HIGHWAY NEAR KONDRUPROLU, TADEPALLIGUDEM – 534102,
WEST GODAVARI DIST., ANDHRA PRADESH STATE, INDIA. Website : www.nitandhra.ac.in

DEPARTMENT OF MECHANICAL ENGINEERING



INTERNATIONAL CONFERENCE ON NEW INNOVATIONS IN TECHNOLOGICAL ADVANCEMENTS IN PROMOTION OF MECHANICAL ENGINEERING

14th - 16th July 2022

<https://nitandhra.ac.in/iconnitap/index.php/call-for-papers/>

National Institute of Technology Andhra Pradesh is the 31st Institute among the chain of NITs started by the Government of India. NIT Andhra Pradesh is established in the state of Andhra Pradesh in the academic year 2015-16. NIT Andhra Pradesh, a premier technical institute of India, offers B.Tech., M.Tech., and Ph.D., programs in Biotechnology, Civil, Chemical, Computer Science, Electrical, Electronics and Communication, Mechanical and Metallurgical and Materials Engineering. NIT Andhra nurtures a rich and diverse cross-cultural environment with students coming from all around the India and abroad for various undergraduate programs. The Institute is committed towards high quality teaching, research and development.

THE DEPARTMENT OF MECHANICAL ENGINEERING

The Department of Mechanical Engineering started in the year 2015 with an objective in providing education and training facilities, to carry out application-oriented research, development of in-house technologies, and promote consultancy services in various areas of Mechanical Engineering. The department also offers M.Tech., program in Manufacturing Engineering and Thermal Engineering specializations, Master of Science (by research) and Doctor of Philosophy (Ph.D.) program in different research domains. The department is equipped with state-of-the-art laboratory facilities in manufacturing and thermal engineering specializations.

IConNITAPME – 2022

International Conference on Novel Innovations and Trends in Advanced Performance Materials and Engineering (IConNITAPME – 2022) emphasizes on the creation of an inter disciplinary meeting that exceeds institutional, industrial, public and private research and lends itself to the amalgamation of research and education in the field of progressive technologies and innovations in the arena of mechanical engineering. The IConNITAPME is dedicated to bring-up significant discussions on major segments of cutting-edge processing, material characterization, modelling and simulation, properties, thermal power and energy systems and design engineering. The conference will be accumulation of many national and international luminaries, academicians, scientists, and researchers to share their vision and experience.

SCOPE OF THE CONFERENCE

The IConNITAPME focuses on the advances in the field of Mechanical Sciences applied to materials and manufacturing. In addition to contributory papers, the conference aims at inviting renowned experts for delivering keynote addresses/special lectures in the field of Mechanical Sciences. The objective of this conference is to bring together experts from academic institutions, industries and research organizations and professional engineers for sharing of knowledge, expertise and experience in the emerging trends related to manufacturing, thermal engineering and power systems, design engineering, advanced materials processing and characterization. The conference is structured as follows: plenary lectures followed by parallel sessions. The plenary lectures will be delivered by eminent personalities of international repute to introduce the theme of the conference. Papers are invited from the prospective authors from industries, academic institutions and R&D organizations and from professional engineers.

CALL FOR PAPERS

The organizing committee will invite papers from academicians and scientists. Both review and research articles are welcome. The paper format will be decided later. The status (selected/not selected) of the paper will be intimated to corresponding author after peer review. The full papers thus submitted will be included either for oral presentation or poster presentation at the discretion of the selection panel. All the selected papers will get a DOI number and will be published in Scopus indexed journals.



आत्मनिर्भर भारत



CONFERENCE TOPICS

- | | |
|---|---|
| ❖ Manufacturing, Production Processes and Systems | ❖ Manufacturing System and Technology |
| ❖ Flexible Manufacturing | ❖ Surface Engineering |
| ❖ Lean Manufacturing | ❖ Modelling, Analysis and Simulation of Manufacturing Processes |
| ❖ Subtractive Manufacturing | ❖ Materials Forming |
| ❖ Additive Manufacturing | ❖ Metal Cutting Processes |
| ❖ Green Manufacturing | ❖ CAD/ CAM/CAE/CIM |
| ❖ Industrial Engineering | ❖ Highspeed/Precision Machining and Inspection Technology |
| ❖ MEMS/NEMS & Nano Technology | ❖ Design Technology |
| ❖ Materials engineering | ❖ Control and Automation |
| ❖ Fatigue and Fracture Mechanics | ❖ Micro Machining Technology |
| ❖ Renewable and Sustainable Energy | ❖ Non-Conventional machining processes |
| ❖ Advanced Composite Materials | ❖ Sustainable Manufacturing Technologies |
| ❖ Ceramic Materials | ❖ System Analysis and Industrial Engineering |
| ❖ Materials for Automotive, Energy and Environment | ❖ Production and Operation Management |
| ❖ Advanced Materials | ❖ Supply Chain Management |
| ❖ Metal Matrix Composites | ❖ Mechatronics |
| ❖ Design, Fabrication and Evaluation of Smart and Advanced Material | ❖ Industrial Robotics and Automation |
| ❖ Dynamic Behaviour of Materials and Structures | ❖ Machine Vision |
| ❖ Characterization & Testing | ❖ Biomaterials |
| ❖ Novel Porous Materials and their Applications | ❖ Electronic Manufacturing |
| ❖ Polymer and Polymer Matrix Composites | ❖ System Dynamics and Vibration |
| ❖ Simulation and Optimization Techniques | ❖ Industry 4.0 |
| ❖ Nonlinear Dynamics | |
| ❖ Soft Computing Methods and Machine Learning | |

DATES FOR CONFERENCE

IConNITAPME – 2022	
Conference Dates	14/07/2022 – 16/07/2022
Webpage design and launch	22/02/2022
Brochure Design and Print	25/02/2022
Notification for Call for Papers	28/02/2022
Last date for submission	10/05/2022
Notification of Acceptance	20/05/2022
Final Paper Submission after revision	30/05/2022
Authors' Registration Last Date	07/06/2022

ICONNITAPME COMMITTEE

- ❖ Prof. C S P Rao, Director, NIT-Andhra Pradesh - **Patron**
- ❖ Dr. G B Veeresh Kumar, HOD – MED & **Conference Chair**
- ❖ Dr. M. Hymavathi, Assistant Professor, NITAP - **Co-chair**
- ❖ Prof. G R K. Sastry, NITAP
- ❖ Dr. P. Dinesh Shankar Reddy, I/c. Registrar, NITAP
- ❖ Dr. T. Karthikeya Sharma, Assistant Professor, NITAP
- ❖ Dr. Thella Baburao, Assistant Professor
- ❖ Dr. G. Santhosh Kumar, Assistant Professor, NITAP
- ❖ Dr. Sudhir Mishra, CEO&MD, BrahMos Aerospace
- ❖ Dr. Madeva Nagaral, Deputy Manage, HAL, Bangalore
- ❖ Sri. J K Mishra ASL, Hyderabad
- ❖ Dr. P. Anil Kumar, RCI, DRDO, Hyderabad
- ❖ Sri. HM Raghavendra Prasad, Head, MPAS/MATD,URSC, Bengaluru
- ❖ Prof. Nageswara Rao P, University of Northern Iowa, USA
- ❖ Prof. Peter Filip, Southern Illinois University, USA
- ❖ Dr. Panagiotis Kyratsis, Institution of Western Macedonia, Greece
- ❖ Prof. Jinyang Xu, Shanghai Jiao Tong University, China
- ❖ Dr. Vinu U Unnikrishnan, The University of Alabama, USA
- ❖ Dr. Abdul Md Mazid, Central Queensland University, AUS
- ❖ Prof. Uday Shanker Dixit, IIT Guwahati
- ❖ Prof. Ravikumar N V, IIT Madras
- ❖ Prof. S Basavarajappa, Registrar, IIT Dharwad
- ❖ Prof. Sounak Choudhury, IIT Kanpur
- ❖ Prof. Vijayaraghavan L, IIT Madras
- ❖ Prof. N. Selvaraj, NIT Warangal
- ❖ Prof. VN Gaitonde, KLE Tech, Hubballi, India
- ❖ Prof. Gangadharan K V, NITK
- ❖ Prof. G. C. MOHAN KUMAR, NITK
- ❖ Prof. S. M. Murigendrappa, NITK
- ❖ Prof. Jose Mathew, NIT Calicut
- ❖ Prof. M A Joseph, NIT Calicut
- ❖ Prof. R Sridharan, NIT Calicut
- ❖ Prof. Narendranath S, NITK
- ❖ Prof. Shrikantha S. Rao, NITK
- ❖ Prof. Ashok Babu T P, NITK
- ❖ Prof. Ravikiran Kadoli, NITK
- ❖ Prof. Siba Sankar Mahapatra, NIT Rourkela
- ❖ Prof. S.S. Arulappan, NIT Rourkela
- ❖ Prof. C K Biswas, NIT Rourkela
- ❖ Prof. S Jayaraj, NIT Calicut
- ❖ Prof. S. Murugan, NIT Rourkela
- ❖ Prof. V Madhusudanan Pillai, NIT Calicut
- ❖ Dr. T. Ramesh, Associate Professor, NIT Tiruchirappalli
- ❖ Dr. N. Siva Shanmugam, Associate Professor, NIT Tiruchirappalli
- ❖ Dr. Kumar G N, Associate Professor, NITK
- ❖ Dr. Basil Kuriachen, Associate Professor, NIT Calicut
- ❖ Dr. Devendra K Yadav, Associate Professor, NIT Calicut
- ❖ Dr. Saurav Datta, Associate Professor, NIT Rourkela
- ❖ Dr. Subrata Kumar Panda, Associate Professor, NIT Rourkela
- ❖ Dr. Jonnalagadda Srinivas, Associate Professor, NIT Rourkela
- ❖ Dr. V. Arul Mozhi Selvan, Associate Professor, NIT Tiruchirappalli

REGISTRATION DETAILS FOR POSTER/ PAPER PRESENTATION

Registration	Fee Structure
Participants: International (Academia, R&D Organizations & Industries)	250 USD
Participants: National (R&D Organizations & Industries)	11000 INR
Participants: National (Academia)	9000 INR
Student Delegates: International	150 USD
Student Delegates: National [Full Time Research Scholars/UG & PG Students]	8000 INR
Accompanying persons/ Listener	5000 INR
Accommodation Charges per day with food	400 INR

***Includes:** Journal publication charges, Conference kit, refreshments, lunch on conference days and Banquet. Accommodation Charges are not included.

Registration: All the financial Transactions will be carried out through

Bank Name: State Bank of India,

Account Name; Director NIT Andhra Pradesh,

Account Number:40107272308,

IFSC Code: SBIN0016305

Branch Name: Satyavathi Nagar.

CONFERENCE PAPERS SUBMISSION SYSTEM



Link for submission (*Under process)

<https://easychair.org/conferences/?conf=iconnitapme2022>.

CONFERENCE PROCEEDING PUBLICATIONS

- For IConNITAPME - 2022 The Guest Editors Prof. C S P Rao, Director, NIT-Andhra, INDIA and Prof. Basavarajappa S, Registrar IIT, Dharwad, Karnataka State, INDIA.
- More than 75 eminent researchers across India served in the review committee for IConNITAPME - 2022.
- The IConNITAPME - 2022 will be published in [Scopus Indexed] American Institute of Physics Proceedings publications.

INDEXED AND ABSTRACTING IN SCOPUS

- The Conference Proceedings Citation Index (part of Web of Science)
- Scopus (Elsevier)
- Inspec
- Chemical Abstracts Service (CAS)
- Astrophysics Data System (ADS)

For more details visit : <https://aip.scitation.org/journal/apc>

CONTACT US –

Dr. G B. Veeresh Kumar – 9972455343

Dr. M. Hymavathi – 7586099024



Visit - <https://nitandhra.ac.in/iconnitap/>

Email - iconnitapme@nitandhra.ac.in