

## ABOUT RAJASTHAN

Rajasthan is the largest state of the Republic of India by Area. It encompasses most of the area of the large, inhospitable Great Indian desert (Thar Desert), which has an edge paralleling the Sutlej-Indus river valley along its border with Pakistan. The state borders Pakistan to the west, Gujarat to the southwest, Madhya Pradesh to the southeast, Uttar Pradesh & Haryana to the northeast & Punjab to the north. Rajasthan covers an area of 3,42,239 sq km. The Proportion of the state's total area to the total area of the country is 10.41%.

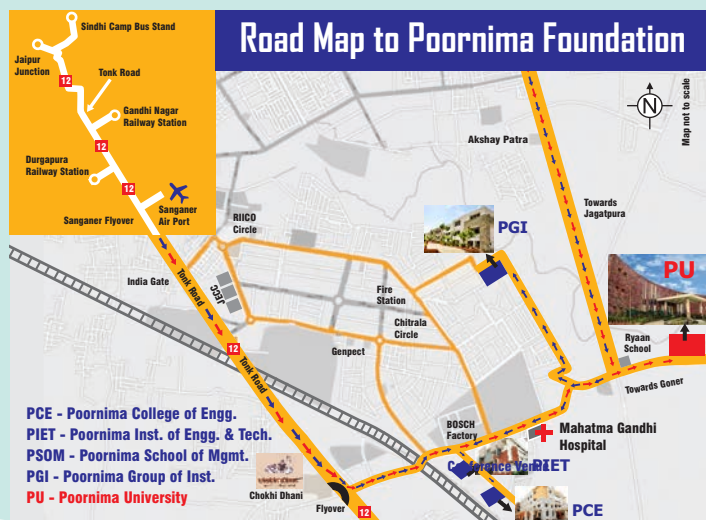
## ABOUT JAIPUR

Jaipur, the Pink City of India, is enormously admired tourist destination in Rajasthan and India. As per the census of 2011 & 2008, it is the 10th largest city of India ranking among the fifty engineering global outsourcing cities. It was founded on 18th November, 1727 by Maharaja Sawai Jai Singh II, the ruler of Amber. It is an enthralling historical city and gateway to India's most flamboyant state. The city is colorful with oscillation of organized architecture unveiling the royal culture, arts and traditions as the heritage of Rajasthan.



## HOW TO REACH CONFERENCE VENUE

Jaipur is one zenith of the popular tourism Golden Triangle circuit Agra-Delhi-Jaipur and is well connected to most parts of India by air, train and road. Poornima University is located about 268 km by road & 308 km by train from Delhi. It is situated at the Jaipur, capital of Rajasthan and is encircled by several industries. Jaipur Railway Station and Jaipur Bus Stand are close by and are about 25 km. from the conference venue.



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# INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN MATERIALS AND MECHANICAL ENGINEERING ICETMM-2018

JANUARY 29-30, 2018



In Association with



Jointly Organized by



Department of Metallurgical & Materials Engineering  
 Malaviya National Institute of Technology, Jaipur

Department of Mechanical Engineering,  
 Poornima Group of Institutions, Jaipur

Department of Mechanical Engineering  
 Poornima University, Jaipur

www.poornima.org

Knowledge is Power

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## ABOUT THE CONFERENCE

ICETMM- 2018 acts as a forum for the academic as well as industrial community to address the opportunities & challenges and to discuss the scope for future research. The conference will bring together academicians, research scholars, engineers and scientists to exchange and share their expertise. The conference will provide an opportunity for the presentation of new advances in theoretical and experimental research in the fields of Advance Materials and Mechanical Engineering.

It will also focus on emerging fields like Energy, Robotics, Mechatronics, Automation, CAD/CAM, Composite Materials, Green Manufacturing and Nano-technology. These are expected to create new job opportunities for Mechanical engineers in our country.

## ABOUT POORNIMA UNIVERSITY

Poornima University (PU) is established by an act of the Rajasthan legislature & was established in the year 2012. PU has more than 2700 students from all over the country enrolled in more than 20 courses. Poornima University is recognized by University Grants Commission (UGC). Poornima University received the award for Best Upcoming University of India by ASSOCHAM, New Delhi. The Motto of PU is "Your Dreams Our Goal" & following this Poornima admits student as they are and make them industry ready employable youth and launches them on the path of career growth and success.

## ABOUT PGI

Poornima Group of Institutions (PGI) established in the year 2009 aims at providing world class technical and scientific education for developing a professional outlook in every walk of life. The college schedule is so designed that every student gets an opportunity to excel in academics and other activities. These activities are scientifically designed to nourish their talents and intellectual caliber. More than 1500 B.Tech. students are studying in the campus in session 2017-18.

## ABOUT MNIT

Malaviya National Institute of Technology (MNIT) is one of the premier NITs of India, fully funded by Ministry of Human Resource Development (MHRD), Government of India. The Institute was established in 1963 as a joint venture of the Government of India and the Government of Rajasthan, with the name as Malaviya Regional Engineering College, Jaipur. Its campus spreads over 325 acres of area in the central location of Jaipur city. It imaginatively presents a spectacle of harmony in modern architecture, and natural beauty which enthralls and inspires. The institute was given the status of a National Institute of Technology and Deemed University on June 26, 2002, and proclaimed the Institute of National Importance through Act of Parliament on August 15, 2007. The campus of the institute consists of the institute buildings, halls of residence and staff colony. The Institute offers undergraduate and post graduate (B.Tech., B.Arch., M.Tech., M. Plan., M.Sc., MBA and PhD) programmes to about 4500 students in leading field of Engineering, Technology, Architecture, Management and Sciences.

## ABOUT IFO

Indian Foundry Organization is a National Professional Body representing all Metal Manufacturing Industries in India. The main focus of IFO is to act as a Nodal Industrial Body working as a bridge between the Industries and the Central and State Governments in helping in Policy Initiatives required for the growth of Industries. IFO also promotes Sustainable Manufacturing Practices in the Manufacturing Industries.

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## THEMES OF ICETMM -2018

- Advance Materials
- Composite Materials
- Nano Materials
- Automotive Materials
- Biomaterials
- Energy Materials
- Surface Engineering
- Organic and Hybrid Electronic Materials
- Mechatronics
- Heat & Mass Transfer
- Alternative fuels
- Biogas and Biomass
- Refrigeration & Air-conditioning
- Industrial Engineering
- Quality Assurance
- Artificial Intelligence & Robotics
- Renewable Energy Technology
- Production Engineering & Automation
- Recent Advances in Automobile Engineering
- Hybrid vehicles and its integration
- Smart Construction Materials
- Green Buildings
- CAD/CAM
- Optimization Techniques
- Rapid Prototyping & 3 D Printing
- Lean Manufacturing
- Green Manufacturing
- Green Chemistry
- Sustainable Product Development
- Non Destructive Testing
- Processing technology for functional materials
- Function test and evaluation technology for material analysis
- Waste Disposal and Recycling;
- Water supply and treatment
- Water, air, noise and land pollution
- Energy Storage Batteries and other Storage Devices
- Thermo Electric Materials
- Thermal Energy
- Future Energy Technologies
- Global warming & Green Energy Options
- Health and the Environment
- Design for Sustainability
- Nanotechnology for Sustainability
- Biotech for Sustainability
- Any other Related Area

## CALL FOR PAPERS

We invite high quality, state-of-the-art, previously unpublished original research papers. Full Paper in prescribed format will be send to E-mail id [icetmm2018@gmail.com](mailto:icetmm2018@gmail.com).

All the accepted manuscripts after peer review and plagiarism check will be published in the Materials Today: Proceedings, SCI Indexed Journal. Acceptance of paper in Journal is full discretion of the Reviewer committee of the Journal.

Download the template and prepare the manuscript according to the template format. Potential topics to be addressed in this conference include, but are not limited to the above mentioned themes.

The proceedings of the conference will be published covering only the presented papers in the conference sessions and accepted by the Journal committee. For each accepted paper to be published, one of the authors will be required to register.

## REGISTRATION

The last date for submitting registration form along with requisite registration fee by way of Demand Draft in favor of "Poornima University" payable at Jaipur (Raj.) is January 10, 2018.

Category (A/B/C/D/E)	Fee (Without Journal)	Fee (With Journal)
Foreign Delegates (A)	\$ 100/-	\$ 150/-
Industry Delegates (B)	4000/-	Rs. 6500/-
Faculty (C)	2500/-	Rs. 6000/-
Research Scholars (D)	2000/-	Rs. 5500/-
B.Tech. Students (E)	1000/-	Rs. 5000/-
Participant (F)	1000/-	---

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## IMPORTANT DATES

Start Date of Full Paper submission	September 20, 2017
Full Paper submission Deadline	December 20, 2017
Intimation of acceptance	Within 10 days as manuscript received
Registration deadline	January 10, 2018

### Accommodation:

The participants are requested to make their own arrangements for travel, boarding and lodging. If any assistance is required, please contact the conveners.

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Coimbra, Portugal

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Blade Energy Partners, Houston, USA

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**JANUARY 29-30, 2018**

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\*The Registration Fee can also be transferred online to A/c No. 665420110000009 in Bank of India (IFSC - BKID0006654)

# Mentioned in Registration Fee

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