

# International Conference on Advanced Materials, Manufacturing, Management and Thermal Sciences [AMMMT – 2016]

**Announcement and Call for Papers**

**Venue**

**Siddaganga Institute of Technology  
Tumkur-572 103, Karnataka, India**

**September 23<sup>rd</sup> & 24<sup>th</sup>, 2016**

**Organized by**



**Department of Mechanical Engineering  
and  
Industrial Engineering & Management  
Siddaganga Institute of Technology**

(An Autonomous Institution affiliated to  
Visvesvaraya Technological University, Approved by  
AICTE and Programmes Accredited by NBA, New  
Delhi, ISO 9001-2008 QMS Certified Institute)

**B.H. Road, TUMKUR-572 103, Karnataka  
Ph: 0816-2214003 Fax: 0816-2282994**

Website: [www.sit.ac.in](http://www.sit.ac.in)

**in association with**

**Visvesvaraya Technological University  
Belgaum**

**Indian Institute of Metals**

**Bangalore Chapter**

**Indian Foundry men Organization**

**Bangalore Chapter**

**Indian Institute of Industrial Engineering  
Bangalore Chapter**

## **ABOUT TUMKUR**

Tumkur is a district head quarters in Karnataka state situated on NH-4 (Bangalore-Pune highway) at a distance of 60 km from Bangalore and 50 Km from the Bangalore International Airport. In recent years, Tumkur has emerged as an important centre for education, industry and commerce in the state. The district consists chiefly of elevated land intersected by river valleys. A range of hills rising to nearly 4000 feet crosses it from north to south, forming the watershed between river basins of the Krishna and Kaveri. In and around Tumkur there are a number of historical places to visit, such as, Siddaganga, Shivagange, Devarayanadurga, Yedeyur, Shravanabelagola, Belur, Halebeedu, etc.

## **ABOUT SIT**

The Siddaganga Institute of Technology (SIT), Tumkur, was established in the year 1963 by Sree Siddaganga Education Society (SSES), headed by His Holiness "Dr. Sree Sree Sivakumara Swamiji", a centenarian. The college is an autonomous institution, affiliated to Visvesvaraya Technological University (VTU), Belgaum, Karnataka, approved by AICTE, New Delhi and programmes accredited by NBA, New Delhi. At present, the institute offers 12 Undergraduate Programmes and 16 Postgraduate programmes. The institute has well qualified, experienced and competent faculty numbering 333 and 100 of them have Ph.D and another 65 are pursuing their Ph.D. Sixteen departments in the institute are recognized as research centers by Visvesvaraya Technological University and offer Ph.D and M.Sc (Engg.) by research. S.I.T. is a beneficiary of Technical Education Quality Improvement Programme (TEQIP), a World Bank assisted Project (Phase-I & II). S.I.T is topped among the 100 Engineering Institutions of the country (70<sup>th</sup> rank) under National Institutional Ranking Framework (NIRF) of MHRD, Govt. of India.

Departments of Mechanical Engineering and Industrial Engineering and Management have well qualified and committed faculty with well

equipped laboratories, workshops and other infrastructural facilities and are also actively engaged in Industry-Institute interaction. Major areas of specialization in these departments are Materials Engineering, Manufacturing Engineering, Machine Design, Thermal Engineering and Management. These departments offer U.G. programme in Mechanical Engineering and Industrial Engineering & Management. The departments also offer P.G. programmes in Thermal Engineering, Manufacturing Science & Engineering and Computer Integrated Manufacturing. Also, M.Sc (Engg) and Ph.D. Programmes are being offered by the research centre of the Departments. Both the departments have been accredited by NBA, New Delhi for five years. 81 research scholars have registered for their Ph.D programme in the research centres of departments.

## **PREAMBLE**

The main objective of conference is to engender advances and innovations in the field of Mechanical Engineering Sciences particularly in the areas of Materials Engineering, Manufacturing, Management and Thermal Sciences. Over the last decade, there has been a surge of innovations in these fields which evince a lot of interest among the researchers as well as common man who look at the benefits derivable out of these research applications. The conference is aimed at providing a platform to all researchers to interact, share their research findings and to discuss their research ideas with the co-researchers from all over the world. It also provides an opportunity to highlight recent developments and to discuss future directions on these exciting fields.

Keynote lectures by experts in various fields will inspire the researchers and provide an exposure to various aspects and an opportunity for discussions with distinguished experts. It is earnestly hoped that the conference will be of great success in bringing more researchers together.

Researchers from various research laboratories, industries, academia and the research scholars pursuing their Doctoral / Masters work are invited to present their original work and participate in AMMMT-2016, a two day event in the academic and serene environs of S.I.T., Tumkur.

## **SCOPE**

The Conference will have oral and poster paper presentations covering topics such as:

### I. Advanced Materials

- Advanced Materials and their Processing
- Composite materials and Hybrid Composites
- Smart materials and Shape memory alloys
- Solidification
- Materials Forming and Joining
- Modelling and Simulation
- Materials Characterization
- Physical Metallurgy
- Corrosion and Degradation of metals
- Nano Materials and Processing

### II Manufacturing

- Lean and Agile Manufacturing
- CAD /CAM and Flexible Manufacturing
- CIM and Rapid Prototyping
- Non-Traditional Machining and Manufacturing
- Intelligent Processing and Manufacturing
- Metrology and Instrumentation Measurement
- Design Optimization in Manufacturing

### III Management

- Logistics and Supply Chain Management
- Total Quality Management
- Lean Six Sigma
- Business Process Re-Engineering
- Project Management
- Quality Management Systems
- Product Design and Development
- Value Engineering and Analysis
- Management Information System

### IV Thermal Sciences

- Computational Fluid Dynamics
- I.C.Engines and Combustion
- Alternate Fuels and Bio-Fuels
- Heat and Mass Transfer
- Non-Conventional Energy Systems
- Refrigeration and Air Conditioning

## INVITATION

Original Research Papers on the above themes are invited from all Researchers, Academicians and Professionals. Official language of the conference is English.

## IMPORTANT DATES

Submission of Full Papers : July 30, 2016

Date of Acceptance : Aug 20, 2016

Submission of manuscript  
in camera-ready form along  
with Registration : Sep 05, 2016

## REGISTRATION FEE

Indian Participants/Research Scholars /  
Students : Rs. 7000=00

Overseas Participants : USD = 150

Payments should be made by Demand Draft  
drawn in favour of "AMMMT-2016", payable at  
Tumkur-572103, Karnataka, India.

Overseas Delegates can pay to "AMMMT2016"

Payable at Karnataka Bank Ltd., Tumkur, Karnataka,  
India. IFSC Code-KARB0000768

Account No.- 7682500111107501

Those who pay the Reg. fee directly to the  
account should send the copy of the bank  
payment challan along with Registration form.

Website:<http://ammmt-2016.sit.ac.in>

## CONTACT DETAILS

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**PROCEEDINGS & PUBLICATION:** All the  
papers presented at AMMMT-2016 will be  
published in the form of proceedings (CD).

All presented papers in Materials and  
Manufacturing theme will be published in  
the Scopus indexed International Journal of  
Materials Today Proceedings, Elsevier  
Publications.

All presented papers in Thermal Science  
and Management theme will be published in  
the Scopus indexed International Journals,  
Indian Journal of Science and Technology  
and International Journal of Business and  
Systems Research.

For submission of papers follow the Author  
instructions link in conference website:  
[ammmt-2016.sit.ac.in](http://ammmt-2016.sit.ac.in) or the corresponding  
journal website.

**SOUVENIR:** A souvenir will be brought out  
on the occasion of the conference, giving  
details of the programme, abstracts, list of  
sponsors and advertisements.

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Book Post

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(Sep 23<sup>rd</sup> & 24<sup>th</sup>, 2016)

To,

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PIN: \_\_\_\_\_

From,

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**International Conference on Advanced  
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**[AMMMT – 2016]  
Sep 23<sup>rd</sup> & 24<sup>th</sup>, 2016**

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Research Scholar / Student : Yes / No

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**Please fill the Registration form and mail to:**

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