

Registration Form

Tribology of Materials and Manufacturing (TMM-2018)

11th June to 16th June 2018

Name:.....

Designation:.....

Gender (M/F):.....

Organization/Institute:.....

Department:.....

Address:.....

Ph./Mobile No:.....

Email ID:.....

Cash/DD Details:.....

Bank:.....

Amount:.....

DD No.:.....

Date:.....

Category: Faculty/ Industry/ Research Scholar

(Please Tick Appropriate)

Accommodation Required: Yes/No

Place:

Date:

Signature

PATRONS

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Mr. Ravi Pachamoothoo, Chairman, SRM IST
Dr. P. Sathyanarayanan, President, SRM IST
Dr. R. Shivakumar, Vice President, SRM IST

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Dr. Harish Hirani, Director, CMERI Durgapur
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Dr. Amit Rai Dixit, Assoc. Prof. IIT ISM Dhanbad
Dr. M. Ravisankar, Asst. Prof., IIT Guwahati
Dr. Amar Patnaik, Asst. Prof., MNIT Jaipur
Dr. M. Kamraja, Professor, IIT Madras

CONVENORS

Dr. Jitendra Kumar Katiyar, Assistant Professor
(Research), SRM IST
Dr. Anuj Kumar Sharma, Assistant Professor
(Research), SRM IST

ORGANIZING COMMITTEE

Dr. T V V L N Rao, Asso. Prof. (Research), SRM IST
Dr. Sandipan Roy, Asst. Prof. (Research), SRM IST



SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

6 DAYS WORKSHOP

on

**TRIBOLOGY OF MATERIALS AND
MANUFACTURING (TMM - 2018)**

11th June to 16th June 2018

Organized by

**TRIBOLOGY AND SURFACE INTERACTION
RESEARCH LABORATORY**

(<http://mysrm.srmuniv.ac.in/TSIRL>)

**Department of Mechanical Engineering
SRM Institute of Science and Technology,
SRM Nagar, Kattankulathur,
Kanchipuram District, Tamil Nadu-603203**

Venue : Mechanical Seminar Hall B Block

ABOUT THE INSTITUTE

SRM Institute of Science and Technology (SRM IST) is one of the top ranking universities in India with over 38,000 students from all parts of India and the globe and more than 2600 faculty across all the campus, offering a wide range of undergraduate, postgraduate and doctoral programs in Engineering, Management, Medicine and Health sciences, and Science and Humanities. Students have a wide choice of cutting edge programs including nanotechnology, genetic engineering, remote sensing and GIS, embedded systems or computer forensics to choose from. Most of these courses are offered in close collaboration with foreign universities. Over 150 students sponsored to 35 foreign universities like MIT, Carnegie Mellon, UC Davis, Warwick and Western Australia in 2008-09. 50 members from top universities across the world including MIT, Stanford, UC Berkeley, Cambridge and NUS help set Global Standards. SRM is accredited by NAAC with 'A' Grade in the year 2013. SRM IST is placed in 'A' category by MHRD. SRM IST is the first private university to launch a Nano Satellite named "SRMSAT" onto space, on-board the PSLV-C18 from Sri Harikota on 12th November 2011.

ABOUT THE DEPARTMENT

Mechanical engineers require a solid understanding of key concepts including mechanics, kinematics, thermodynamics, energy and manufacturing. They use these principles in the design and analysis of automobiles, aircraft, heating and cooling systems, buildings and bridges, industrial equipment & machinery, and many more. The Department runs undergraduate program, postgraduate program in CAD, CIM, Robotics and Solar and doctoral programs in Mechanical Engineering.

The department conducts national and international conferences to share their knowledge obtained through research with other researchers in India and abroad. The International Conference on "Advances in Mechanical Engineering" (ICAME 2006) attracted active participation of 300 delegates from highly

reputed universities in 11 different countries. A group of faculty members are working in the various fields of tribology (Lubricants, coatings, machining, biomaterials) in tribology and surface interaction research lab.

OBJECTIVE OF WORKSHOP

Tribology is present at the interface of two materials which are in relative motion. The relative motion causes friction at the interface and friction eventually causes wear of one or both the materials. Friction and wear between two bodies can be overcome by the application of lubricants. In the environment, air and water may act as a lubricant to reduce friction and improve wear resistant property. It is important to note that the tribological performance of any system, whether nano, micro or macro-scale, depends upon a large number of external parameters and important among them are temperature, contact pressure and relative speed. A number of examples, where tribology is very important, these are different kinds of bearings, gears, engines, orthopedic joints and micro-machines. The primary objective is to broaden the concepts of the faculty members about the different types of wear and its phenomenon on materials, from the theoretical aspects to industrial applications. It will refresh the knowledge of tribology and will also focus on enhancing the tribological properties of materials. Further, this workshop will cover some special topics in nano tribology, with reference to current research. Thus, the workshop will provide new ideas about future research areas. Moreover, the faculty members will get opportunity to interact with the scientists/academician from different places, working in this domain and will be able to enrich themselves.

INVITED SPEAKERS

- ✪ **Dr. P. C. Jain**, DRDL Hyderabad
- ✪ **Prof. S. V. Kailas**, IISc Bangalore
- ✪ **Prof. S. C. Sharma**, IIT Roorkee
- ✪ **Dr. A. K. Sharma**, IIT Roorkee
- ✪ **Dr. A. Subramaniam**, IIT Jammu
- ✪ **Dr. P. Ramkumar**, IIT Madras
- ✪ **Dr. T. V. K. Gupta**, VNIT Nagpur
- ✪ **Dr. R. Dumpalla**, VNIT Nagpur
- ✪ **Dr. O. P. Khatri**, CSIR-IIP Dehradun
- ✪ **Dr. Chiradeep Ghosh**, TATA Steel Jamshedpur
- ✪ **Dr. Sateesh Kumar**, Klueber Lubrication,
- ✪ **Dr. Amar Patnaiak**, MNIT, Jaipur
- ✪ **Dr. M. Ravi Sankar**, IIT Guwahati
- ✪ **Dr. Arun K Tiwari**, IET Lucknow
- ✪ **Dr. Deepak Kumar**, IIT Delhi
- ✪ **Dr. S. Fatima**, IIT Delhi
- ✪ **Dr. Devdulal Das**, IEST, Shibpur

REGISTRATION FEE

Research Scholar: INR 2000

Faculty: INR 4000

Industry: INR 6000

- ✪ Registration fee include workshop kit, lunch and refreshment
- ✪ Accommodation charges are as per institute norms.
- ✪ Please fill out the Registration form and send it before the due date along with the DD in favor of "**Mechanical Engineering Association**" payable at Chennai.
- ✪ **Last date of registration is 31st May 2018.**

ADDRESS FOR COMMUNICATION

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