

FIRST ANNOUNCEMENT- CALL FOR PAPERS

TRIBOINDIA-2018

An International Conference on Tribology

December 13 - 15, 2018

Theme: Tribology for Reliability and Life

Organized By



Department of Mechanical Engineering,
Veermata Jijabai Technical Institute, Mumbai, India



Under the Aegis of “Tribology Society of India”



Tribology is a multi-disciplinary subject dealing with the study of interacting surfaces in relative motion. The term, derived from the Greek word “*Tribos*” (meaning “Rubbing”), in general denotes the subject of Friction, Lubrication & Wear technology. Over the years, the subject of Tribology came to be recognized as a very important aspect in all industrial operations. The application of correct Tribological practices can protect and enhance the life of plants and machinery, improve efficiency of operations, reduce energy consumption and prevent expensive breakdowns.

To provide a common umbrella to work further in this area, **Tribology Society of India (TSI)** has been set up as a professional, not-for-profit body bringing together academicians, and industry as well as research organizations as its members. The Society is affiliated to the *International Tribology Council (ITC)* based in London, UK. The activities related to Tribology in the country started way back in 1972, when First International Conference on Tribology was organized by Indian Institute of Technology at New Delhi. Continuing with this, a series of National and International Conferences have been organized during last 45 years including successful ASIATRIB 2014, NTC 2011 and 2014 and 2016, It also organizes its annual event of Summer Schools in Tribology (10th in the series organized in 2018). Currently the Society operates from its registered office at Indian Oil R&D Centre, Faridabad.

Tribology society of India invites academic institutions to organize a conference once in every 2 years with the sole objective of providing a platform to academicians, researchers and practicing engineers to discuss the current trends in tribology practices. This is the fourth in this series of conferences, with the previous one organized by the IIT Banaras Hindu University, Varanasi under the aegis of TSI in 2016. The first edition was organized by IIT Roorkee in 2011 and the second one was organized at PES University at Bengaluru in the year 2014 Now it has been renamed as TRIBOINDIA 2018- An International Conference and will be organized at VJTI Mumbai.

Objectives

- To discuss the current practices and challenges in Tribology area
- To explore Tribological Practices as a tool for improved efficiency and enhanced life of the machine components.
- To discuss the emerging technologies such as Nano & Bio-Tribology
- To showcase the advancements in lubrication, coatings, bearings and wear resistant materials.
- To provide an opportunity to manufacturers to display their state of art tribo-equipments & Products and services
- Tribology to enhance Reliability and Life

Call for Papers

Papers are invited from Scientists, Academicians and Practicing Engineers in Tribology for technical sessions in the following Themes (but not limited to following):

- ❖ Wear: Surface treatment & coatings, Wear resistant materials, Nano & Bio Tribology, Bio-mimetics, Wear Modelling, Reliability, Machine Design, Mathematical modelling
- ❖ Friction: Contact Mechanics, Coefficient of friction,
- ❖ Lubrication: Thin film lubrication Lubricants & additives
- ❖ Industrial Tribology: Tribological aspects in design & manufacturing, Environmental and societal aspects of Tribology, Green Tribology, Industrial application of Tribology.
- ❖ Tribology for Reliability and life (THEME)
- ❖ Advanced condition monitoring
- ❖ Tribology in Bio-Medical applications

Oral and poster sessions covering these aspects will be organised.

Payment Details

All payments related to registration of delegates, sponsorship, advertisements, technical exhibition and , manufacturer's presentation etc. can be made through crossed demand draft drawn in favor of **“Tribology Society of India”** payable at **State Bank of India, IOC Complex Branch Faridabad**, OR By NEFT Bank Transfer to the following bank account:

Name of the Bank: State Bank of India
Beneficiary: ‘Tribology Society of India’
Beneficiary A/c No. **31710524711**
Branch Name: IOC Complex Faridabad
Bank Address: Indian Oil Corporation Sector 13, Faridabad
IFSC Code: SBIN0010449
SWIFT: SBININBB381
MICR Code: [110002466](#)

About VJTI

VJTI Mumbai has pioneered India's Engineering and Technology education, research and training since 1887 as Victoria Jubilee Technical Institute. Pre-independence, VJTI had been instrumental in driving Industry 2.0 throughout united India. Post-independence, VJTI played a pivotal role in setting up IITs and RECs of India and strengthened engineering and technology excellence of country through Industry 3.0. In 1997, VJTI name is changed to Veermata Jijabai Technological Institute to honour the mother of Chhatrapati Shivaji Maharaj.

The department of Mechanical engineering remains among the premier departments of VJTI. It has had a long and illustrious history and offers courses at the diploma, graduate, and postgraduate levels. The department is recognized for doctoral research by the University of Mumbai. The department has kept pace with the rapid development of computer aided methods of design and manufacture with state of the art Tribology centre, robotics and CAD/CAM facilities. The laboratories in the department are recognized in a number of areas as testing facilities.

About Mumbai

Mumbai is the capital of the western state of Maharashtra, and is the financial and commerce hub of India. Mumbai has a cosmopolitan culture that reflects the diversity of the many communities from India that have settled here. In addition it has a significant international community, both tourists and long-term residents. Mumbai has a dynamic, fast-paced lifestyle which is served by an excellent public transportation system. It has several universities and world-renowned research and educational institutions. Mumbai is well connected internationally as there are flights from almost all major cities in the world.



How to reach

VJTI is centrally located in Mumbai and well linked by both rail and road. You can reach VJTI by following ways: Trains: Harbour line-alight at Kings Circle or Wadala. Central line-alight at Matunga. Western line-alight at Dadar (East). VJTI is within 15 to 20 min walking distance from all these stations or you can avail services of Taxi/Bus Services. All BEST Bus services halt at Maheshwari Udayan (King's Circle).

Conference Sponsorship

Reputed companies and organizations are invited to join this TRIBOINDIA-2018, as sponsors of the Conference Proceedings, Souvenir and other facilities. Details regarding various categories of sponsorship are given below.

| Category | Indian | Overseas |
|----------|---------------|-----------|
| Diamond | Rs. 3.00 Lacs | US \$5000 |
| Platinum | Rs. 2.00 Lacs | US \$4000 |
| Gold | Rs. 1.00 Lac | US \$2000 |
| Silver | Rs. 0.5 Lac | US \$1000 |

The Sponsored company logos will be displayed on all conference materials. Diamond and Platinum Sponsors will be entitled to one free Stall in Technical Exhibition and a full page Colour Advertisement in Souvenir. Besides this, Diamond Sponsors will be provided a free slot in Business Presentations.

Conference Registration

Professionals, researchers, business entrepreneurs and all other practitioners of Tribology from across India & abroad are invited to attend the Conference. Registration in the Conference can be made by paying fee and applicable GST(18%) as per the details given below:

| | |
|----------------------------|-----------|
| Student Delegate | Rs.2,500 |
| Academic and R&D Institute | Rs.4,500 |
| Industry Delegates | Rs.10,000 |
| Accompanying Spouse | Rs 2000 |
| Foreign Delegates | US\$ 300 |

Foreign Delegates (Students)

US\$ 100

TSI Members Discount 20% (Academic /Industry on applicable rates)

GST @ 18% is payable on the above fees

Please Note: All presenting authors have to register for the conference.

Diamond, Platinum, Gold and silver sponsors will have the privilege of registering 4, 3, 2 and 1 delegate(s) respectively, without paying registration fee. The registration fee for the Conference will cover participation in Technical Sessions, Conference Proceedings, Printed Materials, Conference Kit, Lunch, Tea/Coffee, etc.

Early bird registration by 31st October 2018 with 20 % Discount on registration fee for all categories of participant.

Submission of Abstract

An abstract in word file not exceeding 250 words can be submitted latest by 16th August 2018 by email on triboindia2018@vjti.ac.in. Upon review, acceptance of abstract will be sent and a manuscript not exceeding 5 (five) A4 pages with Key words and Introduction, Experimental / Methodology, Results & Discussions, Conclusions and Relevant references will have to be submitted. All authors will have to register to be able to present their papers. Template can be downloaded from www.vjti.ac.in or www.tribologyindia.org

Manuscript preparation guidelines

Please adopt Times New Roman fonts, 2" left margin and 1" margins on all the other sides of A4 sheet. Manuscript Title 14pt bold, Centred, to be followed by the authors name 12pt and affiliation 10pt. Headings and subheadings 12pt bold. References to be in standard format as per SCI journals. Maintain a spacing of 1.5 with single Column text though out the manuscript and font size 11pt for the body text. Use high clarity figures with captions (centred, 10 font). Selected papers will be offered for publications in reputed International Tribology journals.

Awards

Tribology Society of India has instituted the following awards which will be selected by an Award Committee.

TSI Best Oral Paper (Applied Research)

TSI Best Oral Paper (Academic Research)

TSI Best Poster Paper (Academic Research)

TSI Best Poster Paper (Applied Research)

Each award will carry a cash prize besides a certificate of commendation.

Each of these awards can be sponsored by any organization on payment of Rs 25,000/- The award shall be named after the sponsoring organization.

Important Dates

| | |
|---------------------------------|--|
| 16 th August 2018 | Abstract submission |
| 25 th August 2018 | Reviewers Notification |
| 15 th September 2018 | Full Manuscript submission |
| 15 th October 2018 | Reviewers Notification |
| 31 st October 2018 | Registration (Early Bird) |
| 09 th November 2018 | Last date for Submission of revised manuscript |

Business Presentation

Manufacturers/suppliers of equipment, lubricants, additives and service provider related to Tribology would be invited to Conference to project their products /services/innovations through multimedia presentation in the special sessions in Manufacturer's Presentation. A nominal fee of Rs. 25,000/- would be charged for each presentation of 20 minutes duration with one delegate free for business presentation. One slot free of charge will be provided to all diamond sponsors.

Technical Exhibition

With a view to showcase the advancements in products and services in Tribology, a Technical Exhibition is being organized along with the Conference.

Lubricant & additive suppliers, Equipment manufacturers, Tribology specialists and Service Providers, Technical Book Publishers, etc. are invited to participate in the Technical Exhibition to highlight their products and services. Well-furnished and illuminated exhibition stall of about 2.5 m x 3.0 m size will be provided to each exhibitor at a fee of Rs. 40,000 with two delegates free for stall. The technical exhibition will be organized close to the halls where the technical sessions will be in progress.

Souvenir & Advertisements

A Souvenir, containing conference details and informative articles shall be released during the conference and will be provided to each registered delegate. Advertisements for the Souvenir can be booked at following rates:

| | | |
|---------------------|---|------------|
| Front/Back inside | : | Rs. 50,000 |
| Cover page (Colour) | : | Rs. 30,000 |
| Colour Full Page | : | Rs. 20,000 |
| Colour Half Page | : | Rs. 15,000 |
| B/W Full Page | : | Rs. 15,000 |
| B/W Half Page | : | Rs. 10,000 |

All sponsors will be provided one page for advertisement free of charge. The advertisement material is to be provided in print ready formats latest by November 10, 2018.

Patron:

Sandra Shroff, BoG Chairperson, VJTI

Chairperson Organizing Committee

Prof. Dhiren Patel, Director, VJTI, Mumbai

Organizing Committee:

| | |
|----------------|-----------------------------|
| Convener | : Dr. V. M. Phalle |
| Org. Secretary | : Dr. H. P. Khairnar |
| Treasurer | : Dr. W.S. Rathod |

Members

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Dr.R K Gautam (IIT BHU)

Contact Us

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TRIBOINDIA-2018

An International Conference on Tribology

**Venue: Krantijyoti Savitribai Phule Auditorium, VJTI, Mumbai
December 13-15, 2018**

REGISTRATION FORM

(Please print this on a separate sheet)

TRIBOINDIA-2018 participation as (PI Tick)

Exhibitor Author Delegate Sponsor

Name.....

Designation.....

Affiliation:

Mailing Address:.....

.....

Paper Title.....

Mobile No:.....

Phone No:.....

E-mail:.....

Address of Sponsoring Authority

.....

DD No: Date

Name & Branch of Bank

Payment details by Bank Transfer:.....

Signature of participant

Signature & seal of the sponsoring
authority

