

(NTC-2014)

The registration fee for the Conference will cover participation in Technical Sessions, Conference Proceedings, Printed Materials, Conference Kit, Lunch, Tea/Coffee, Conference Banquet, etc.

Payment Details

All payments related to registration of delegates, sponsorship, advertisements, technical exhibition, manufacturer's presentation, participation in educational course, etc. are to be made through crossed demand draft at par, drawn in favour of **Union Bank of India, PESIT Branch, A/c NTC 2014**

PESIT Branch, A/c NTC 2014

OR By NEFT Bank Transfer

Bank Details :

Name of the Bank : Union Bank of India
Beneficiary Name : 'NTC 2014'
Beneficiary A/c No. : 589302010001727 (SB General)
Branch Name : PESIT Branch, Bangalore – 560085
Bank Address : PESIT Branch, 100Ft Ring road,
B.S.K 3rd Stage, Bangalore – 560085.
IFSC Code : UBIN0558931

IMPORTANT DATES

20 Oct 2014 Last date for Submission of Manuscript
03 Nov 2014 Reviewers Notification
17 Nov 2014 Last date for Submission of Revised Manuscript with Registration

About Bengaluru

Bengaluru, Capital of Karnataka State is the silicon city of India which attracts a large number of tourists. The Important places of interest to visit are ISKCON Temple, Lal Bagh, Jawaharlal Nehru Planetarium, Bull Temple, and St. Marry's Basilica. In addition to this Bengaluru is quite popular for ultra modern shopping malls namely Orion, Mantri, Forum, UB city etc. The climate in Bengaluru in December is very pleasant with average temperature being 20°C.

Organising Committee

Department of Mechanical Engineering
PES University

Chairman : Dr.K.S. Sridhar, Professor and Head
Convener : Dr. V.P Raghupathy, Professor
Organising Secretary : Dr.C.S. Ramesh, Professor
Joint Secretaries : Dr. V. Krishna, Professor
Dr. N. Rajesh Mathivanan, Associate Professor

Members :

Dr. Kishore T Kashyap
Dr. S.V Satish
Dr. D.Sethuram
Prof. C.K. Shanbhag
Prof. C. Pruthvi

Technical Committee

Chairman : Prof. Satish Kailas, IISc
Members
Dr. V.P Raghupathy, PES University
Dr. C.S. Ramesh, PES University
Dr. C.V Chandrashekar, PES University
Dr. S.S. Rao, PES University
Mr. N.M.Dubey, M/S Ducom Instruments

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Organising Secretary, NTC - 2014
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(NTC-2014)

NATIONAL TRIBOLOGY CONFERENCE
(NTC-2014)

Dec.15th - 17th 2014

REGISTRATION FORM

Pre Conference Workshop

NTC 2014

Both

Author Delegate Sponsor

Name.....

Designation.....

Highest Qualification.....

Research/Teaching/IndustryExperience.....

MailingAddress:

.....
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Paper ID.....

Paper Title.....

Mobile No:.....

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Address of Sponsoring Authority

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DD No:Date

Name & Branch of Bank

Signature of Participant

Signature & Seal of the Sponsoring authority

FIRST ANNOUNCEMENT- CALL FOR PAPERS
NATIONAL TRIBOLOGY CONFERENCE

(NTC-2014)

Dec.15th - 17th 2014

Theme : Innovative Practices in Tribology

Organised by

Department of Mechanical Engineering



Under the Aegis of





Prof.M.R. Doreswamy



Prof.D. Jawahar



Dr.K.N.B.Murthy

PES University

PES University carries forward the principles and spirit of its founder Chairman and Chancellor Prof.M.R. Doreswamy: Innovation, entrepreneurship, outreach and perennial love for quality education. PES Institute of Technology established in 1988 is now **PES University**. It is celebrating its silver jubilee year. In a short span of time, institute has grown to become one of the top colleges in Karnataka, with an annual intake of more than 1500 students under the able leadership of Prof. D. Jawahar, CEO, PES Group of Institutions & Pro-Chancellor, PES University. Dr.K.N. Balasubramanya Murthy the Vice Chancellor, PES University is the architect of research success at PESIT.

Mechanical Engineering Department

The department is equipped with state of the art infrastructure to carry out research in the area of Thermal spray coatings, Metal matrix composites, Friction & Wear assessment. The department has executed several funded research projects related to the above domain areas from Govt. agencies such as ARDB, NRB, DST, ISRO, AICTE, DRDO and VTU. MOU with University West, Sweden and Bournemouth University, UK are in place for collaborative research and for students & faculty exchange. The department is globally recognised by PACE forum for students automotive projects. The department offers Masters programme in Manufacturing Science & Engineering and Automotive Engineering in addition to PhD and MSc. Engg. by research



Dr. Malhotra



Dr Har Prashad



Dr Satish Kailas



Dr.Barun Chakrabarti

Tribology Society of India

TSI is a non profit professional society setup in the year 1989 with the sole objective of providing a common platform for effective exchange of knowledge in the domain of tribology between researchers, academician & practicing engineers. Under the dynamic leadership of **Dr. R. K. Malhotra**, President TSI, the professional activities has reached great heights with MOUs in place with STLE, USA, A renowned International Tribological Society in offering collaborative certified educational courses in different areas of tribology- An Unique effort in maintaining high standards of practising tribologists in India. The Society has been highly successful in actively organising workshops, seminars, conferences both at National and International levels. The recently concluded "Asia Trib-2014" was a very successful international event, which attracted large number of International delegates across several Asian countries including participants from Australia, UK, Sweden and USA. The activities of the society are guided from time to time by a team of dedicated tribology experts comprising of Dr. Har Prashad, Dr. SatishKailas(Vice Presidents), Dr. Barun Chakrabarti, (Secretary), Mr. Ajay Kumar, Mr. Kamal Mukherjee (Joint Secretaries), Dr. Pankaj Bhatnagar,(Treasurer) and Mr. A.K Mehta (Executive Director). Every year A Summer School in Tribology which is very popular among both academic and industry participants is organised in the most professional way since five years.

Conference Preamble

Tribology society of India supports academic institutions to organise a National conference once in every 3 years with the sole objective of providing a platform to academicians, researchers and practicing engineers to discuss the current trends in tribology practices. The previous one was organised by the Department of Mechanical and Industrial Engineering, IIT, Roorke under the aegis of TSI.

Objectives:

- To discuss the current practices and challenges in Tribology
- To discuss the emerging technologies such as Nano & Bio-Tribology
- To showcase the advancements in lubrication, coatings, bearings and wear resistant materials.
- Exhibition of the state of art Tribo equipments & Products by Business houses.

Call for Papers

Papers are invited from Engineers, Scientists, Academicians and Practising Engineers in Tribology for **Oral and Posters** sessions in the following areas:

- Bearing & Gear Tribology
- Computational Techniques in Tribology
- Nuclear and Space tribology
- Condition Monitoring and Maintenance
- Rolling Element Bearings
- Fluid Film Bearings
- Wear, Lubricant & Additives, Surface treatment & Coatings
- Tribological aspects in Design & Manufacturing
- Nanotribology
- Biotribology
- Wear resistant materials – Metals, ceramics, polymers & composites

Submission of Manuscript

Manuscripts in word file not exceeding **FIVE A4** sheets covering Abstract (not exceeding 200 words), Key words, Introduction, Experimental / Methodology, Results & Discussions, Conclusions and Relevant references should be submitted via E-mail : ntc2014pes@gmail.com

Guidelines for Manuscript preparations

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 Colum text though out the manuscript and font size 11pt for the body text. Use high clarity figures with captions (centred, 10 font).

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 Poster Paper (Academic Research)
- TSI Best Poster Paper (Applied Research)
- TSI Best Exhibit

Each award will carry a cash prize besides a certificate of commendation. There is scope of sponsoring each of the awards by any organisation on payment of Rs. 25,000/- The award shall be named on the sponsoring organisation.

Pre – Conference Workshop

A pre conference workshop focussing on "The Basics of Tribology" and "Wear resistance coatings" will be conducted on **13-14 Dec 2014**. This course is conducted for the benefit

of students, faculty of engineering colleges & practicing engineers. The course fee is **Rs.1,000/-** for Students and **Rs.2,000/-** for Faculty & Industry Participants. The Participants will receive a course material & certificate. The Workshop includes practical session on development & characterization of wear resistant coatings.

Manufacturer's Presentation

Manufacturers/suppliers of equipments, 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.15,000/-** would be charged for each presentation of 20 minutes duration.

Technical Exhibition

With a view to highlight the advancement made in the area of Tribology, a technical Exhibition is being organised along with the Conference.

Lubricant & Additive Suppliers, Equipment Manufacturers, Tribological 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.30,000/-**. Suitable arrangements shall be in place to accommodate the delegates for visiting the exhibition stalls in large numbers.

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:

Back Cover (Colour)	: Rs.45,000	Colour Half Page	: Rs.15,000
Front/Back inside		B/W Full Page	: Rs.15,000
Cover page (Colour)	: Rs.30,000	B/W Half Page	: Rs.10,000
Colour Full Page	: Rs.20,000		

The advertisement material is to be provided in hard copy/transparency or on CD latest by November 15, 2014.

Conference Sponsorship

Reputed Companies, Organisations and Trade Associations are invited to join this National event as sponsors of the Conference Proceedings, Souvenir and other facilities. Details regarding various categories of sponsorship are given below :

Category	Indian	Overseas
Platinum	Rs. 3.00 Lakhs	6000 US \$
Gold	Rs. 2.00 Lakhs	4000 US \$
Silver	Rs. 1.00 Lakhs	2000 US \$
Co-sponsors	Rs. 50,000	1000 US \$

The Sponsored company logos will be displayed on all conference materials. Free Stalls in Technical Exhibition, Colour Advertisement will be provided for Platinum & Gold, in addition to this Platinum Sponsors will be provided slots in Manufacturer's Presentations free of charges.

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 as per the details given below :

Student Delegate	Rs. 1,500
Academic and R&D Institute	Rs. 5,000
Industry Delegates	Rs. 8,000
Foreign Delegates	US\$ 300
Foreign Delegates (Students)	US\$ 150
TSI Members	Discount 20%

(Academic/Industry at applicable rates)