

2nd International Conference on Advanced Tribology 2008 (iCAT 2008):



Tribology for Tomorrow

3 - 5 December 2008, Singapore

<http://www.icatsingapore.org>

Organized and hosted by:

Department of Mechanical Engineering
National University of Singapore (NUS)

Supported by:

Professional Activities Center (PAC)
Faculty of Engineering, NUS

Scope of the conference

Tribology has seen tremendous increase in its applications in many new areas such as micro and nanotechnology, bio-systems, aerospace etc. New types of tribological materials, solid/liquid lubricants and films have been invented for specific applications. Therefore, the aim of this conference is to present and record recent works that have been carried out in the areas such as tribology of materials, new engineered surfaces, application of tribological research and development to new technological and industrial fields, new coatings, novel lubricants.

Topics

The topics include, but not limited to, the following areas:

- Tribology of nano-structured materials and surfaces
- Micro/Nano-tribology and applications
- Bio-tribology
- Modeling and simulation in tribology
- Tribology of micro-electromechanical systems (MEMS) and nano-electro mechanical systems (NEMS)
- Coatings for wear resistance or low friction
- Micro/nano hardness of surfaces including biological materials
- Tribological testings
- Tribology of information storage
- New industrial applications of tribology
- Wear mapping and materials selection in tribology
- Advanced lubrication and lubricants
- Environmental tribology and energy conservation
- Tribochemistry

Local Organizing Committee

Chairman: Sujeet Kumar SINHA (NUS)

Advisor: Seh Chun LIM (NUS)

Members:

Margam CHANDRASHEKHAR (Bio-scaffold International Pte Ltd.)
Kok Keong CHEAH (NUS)
Jianhui CHOO (NUS)
Christina LIM (NUS)
Chwee Teck LIM (NUS)
Erjia LIU (NTU)
Yansheng MA (Data Storage Institute, A* STAR)
Sean O'SHEA (Institute of Materials Research & Engineering, A* STAR)
Nalam SATYANARAYANA (NUS)
Swee-Hin TEOH (NUS)
Alex TSAY (Evonik RohMax Asia-Pacific Pte. Ltd.)
Kai Yang ZENG (NUS)
Xianting ZENG (Singapore Institute of Manufacturing Technology, A* STAR)
Jun ZHANG (Data Storage Institute, A* STAR)
Yong Wei ZHANG (NUS)
Wei ZHOU (NTU)

Confirmed Speakers:

Plenary Lecture

Hugh SPIKES

(Imperial College, UK)

Invited Keynote Speakers

Akhilesh BHATNAGAR

(Reliance Industries Ltd., India)

Takahisa KATO

(University of Tokyo, Japan)

Kyung-Suk KIM

(Brown University, USA)

Jianbin LUO

(Tsinghua University, China)

Nobuo OHMAE

(Kobe University, Japan)

John WILLIAMS

(University of Cambridge, UK)

Abstract Submission

Papers for oral and poster presentations will be selected based on the one-page abstract including figures and references. Abstracts submitted should include the title of the paper, authors' names and affiliations. A template for the abstract can be downloaded from the conference website. Abstract should be submitted on-line by 1 June 2008.

Upon acceptance of the paper, a 3-page (maximum length) extended abstract, to be included in the book of abstracts, will be due by 1 September 2008.

Full Paper Publication (OPTIONAL)

The complete version of all oral and poster papers will be peer reviewed for possible publication in a special issue of Tribology International. Please visit the conference website for further information on full paper submission. Please note that a paper will be considered for journal publication only if at least one of the authors of the paper registers and presents the paper (oral or poster) during the conference.

For further information, please contact:

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Singapore

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Conference Venue & Hotel Reservation

Furama RiverFront Singapore, 405 Havelock Road, Singapore. Website: <http://www.furama.com/riverfront/>
Further information on booking rooms is provided on the conference website.

Conference Website

<http://www.icatsingapore.org>

Location: Singapore

Located at one of the crossroads of the world, Singapore's strategic position has helped it grow into a major centre for trade, communications and tourism. Its geographical location is 136.8 km north of the equator, between latitudes 103 degrees 38' E and 104 degrees 06' E. It is linked to Malaysia by two causeway bridges and the key islands of the Riau Archipelago of Indonesia are just a quick ferry trip away. Thailand and the Philippines are a short plane journey away and Singapore, with an airport (Changi Airport) served by more than 69 airlines, is very much the gateway to South-East Asia. Further tourist information on Singapore can be found on the website: <http://www.newasia-singapore.com/>



Registration Fees

Payments can be made in Singapore dollars (SGD) as quoted below. All banking charges MUST BE borne by the participants.

Early-Bird Rate	-	SGD 800.00*
Standard Rate	-	SGD 900.00*
Student Rate	-	SGD 350.00**

* Includes Welcome tea/coffee, daily coffee breaks and lunches, attendance at all technical sessions and keynote lectures, a copy of the conference program and a copy of the book of abstracts, entry to exhibition and conference gala dinner.

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All full-fee-paying conference delegates will receive a personal copy of the special issue of Tribology International upon its publication.

Important Deadlines

Submission of abstract	1 June 2008
Notice of acceptance of abstract	15 July 2008
Submission of extended abstract	1 September 2008
Early registration by	1 October 2008
Full paper submission (Optional)	3 December 2008

Disclaimer: Information presented above are true at the time of printing and are subject to change. Please check the conference website for updated information.