



## ABOUT US

Asia International Conference on Tribology is the mega event in the series of International Tribology Conferences under the auspices of the Asian Tribology Council (ATC), the apex body of national tribology society of Asia-Pacific countries such as China, Korea, Japan, Australia, India, Malaysia and others. This conference is organized every four years with the great involvements from the various universities and major industry players.

In this coming 2018, the Malaysian Tribology Society (MYTRIBOS) is geared to organize the 6<sup>th</sup> Asia International Conference on Tribology (ASIATRIB2018). The conference will take place in Kuching, Sarawak Malaysia, from 13 to 16 August 2018. ASIATRIB2018 is supported by the Sarawak Convention Bureau, the Ministry of Science, Technology and Innovative Malaysia (MOSTI) and the International Tribology Council (ITC).

## IMPORTANT DATES

Initial 2-pages extended abstract submission deadline	31 October 2017
Notification of acceptance	31 January 2018
Final 2-pages extended abstract submission deadline	31 March 2018
Registration deadline (with presentation)	31 March 2018
Full paper submission deadline (optional)	30 June 2018
Registration deadline (without presentation)	30 June 2018
Conference dates	17 – 20 September 2018

## TOPICS

### Green Tribology

- Biocompatibility of lubricants
- Bio-inspired systems, materials and surfaces
- Biolubricant degradation/analysis
- Biomimetics – lessons from nature
- Ecological aspects
- Economical aspects
- Environmentally compatible lubricants
- Environmentally friendly tribology
- Renewable energy tribology
- Sustainability
- Tribology for energy conservation
- Tribology for life
- Tribology of eco-friendly applications

### Lubricants, Lubrication and Fuels

- Additives
- Application in machinery and transportation
- Fuels
- Greases
- Hydraulic fluids
- Ionic liquids
- Lubricant chemistry and rheology
- Oil ageing and oil sensors
- Oils
- Prediction of service life
- Solid lubricants
- Tribo-chemistry
- Tribology in manufacturing
- Tribology of materials

### Surface Tribology

- Coatings
- Contact mechanics
- Controlled environments
- Fatigue of materials
- Fretting fatigue
- In-situ formed tribo-films
- Roughness
- Surface analysis techniques
- Surface evolution and wear
- Surface treatments
- Texturing
- Tribo-corrosion

### Bearings

- Bearing design
- Condition monitoring and diagnostics
- Fluid-film bearings
- Gas bearings
- Hydrostatic bearings
- Journal bearing
- Magnetic levitation
- Maintenance
- Rolling bearings
- Rotordynamics



### Biotribology

- Artificial articular joints
- Bioinspiration from the animal and insect world
- Biomolecule-surface interactions
- Hydrogels
- Implant biomaterials
- Implant surface modification: coatings, textures
- Natural articular joints
- Personal care: hair and skin
- Tactile perception
- Tribology of soft tissue

### Dry Friction and Wear

- Anti-wear technology
- Case studies
- Control and modification of frictional properties
- Experiment, equipment, test methods
- Friction at the nano, micro and macro scales
- Mechanisms of wear
- Theory of friction and wear, numerical simulation
- Tribology in manufacturing
- Tribology of materials

## HISTORY

- ASIATRIB2014 - Agra, India (17-20 February 2014)
- ASIATRIB2010 - Perth, Australia (5-9 December 2010)
- ASIATRIB2006 - Kanazawa, Japan (16-19 October 2006)
- ASIATRIB2002 - Jeju, South Korea (21-24 October 2002)
- ASIATRIB1998 - Beijing, China (12-15 October 1998)

## SUPPORTING PUBLICATIONS

- Tribology International (IF=2.259 by Thomson Reuters)
- Jurnal Tribologi (Indexed by DOAJ)

## ORGANIZER



## SUPPORTERS

