

2010 STLE/ASME International Joint Tribology Conference

Hilton San Francisco, San Francisco, CA, U.S.A.

October 17-20, 2010

www.asmeconferences.org/IJTC2010/

<http://www.asmeconferences.org/IJTC2010/Author/NewAbstract.cfm>



Society of Tribologists
and Lubrication Engineers

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IJTC10 Conference Planning Committee

Tribology Group

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ANNOUNCEMENT AND CALL FOR EXTENDED ABSTRACTS BOUNDARY LUBRICATION TRACK

In the boundary lubrication regime it is the chemical and physical properties of the surface films at the molecular level that determine tribology performance. Much of the research in this field is focused on lubricant additives where there are many important technological challenges, for example the development of new additive formulations to meet environmental legislation and optimised additives for coatings. The track will be of interest to scientists and engineers from academia, lubricant and additives industries and OEMs.

Original research papers in the following areas are being solicited:

- Fundamentals of boundary lubrication: models and mechanisms,
- Chemical and physical properties of boundary films
- Lubricant and base stock properties: composition and performance
- Antiwear/EP/low friction additives: mechanism of action
- Additives and coatings
- Experimental methods in boundary lubrication
- Molecular modeling of boundary lubrication
- Tribochemistry processes in boundary lubricated interfaces

One Special Session is planned: **Dr Ardian Morina** is organizing a session on **Tribology and Tribochemistry in the Next Generation of IC Engines** to include all aspects of IC engine tribology and tribochemistry related to the emerging novel engine downsizing technologies, use of lower viscosity oils which contain environment-friendly additives and use of nonferrous materials for building the engine. Please contact Ardian Morina (A.Morina@leeds.ac.uk) for further information.

Please follow the abstract submission guidelines posted on

<http://www.asmeconferences.org/IJTC2010/Author/NewAbstract.cfm>

Please select **Technical Track 4 – Boundary Lubrication** when you submit your abstract.

We are soliciting 2-3 page (double-column) camera-ready extended abstracts of the work to be presented at the symposium. All of the extended abstracts will be published and available at the conference.

DEADLINES:

Submission of **Short Abstract** (400 words maximum) and optional

Extended Abstract (2-3 pages, PDF file) for review: April 1, 2010

Acceptance Notification for Presentation

and Extended Abstract: May 24, 2010

Final (Revised) Extended Abstract submission: June 14, 2010

Copyright Transfer 1903 Form submission: July 30, 2010

For further information, please contact the organizers:

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