

ANNOUNCEMENT AND CALL FOR ABSTRACTS

SYMPOSIUM ON INTERFACIAL PHENOMENA IN MEMS

World Tribology Conference III
Washington Hilton, Washington, DC
September 12-16, 2005

<http://www.conferencetoolbox.org/WTC05/>

In view of the increasing number of microelectromechanical systems (MEMS) involving surface contact, understanding of the electromechanical phenomena occurring at MEMS contact interfaces and across microgaps is imperative. Touch-mode MEMS devices include applications such as, actuators, microswitches, and micromotors. However, the implementation of microdevices with contacting parts is not a trivial task. A large number of operational anomalies and failures in touch-mode MEMS are still a major concern in the MEMS community. It is the purpose of the **Symposium on Interfacial Phenomena in MEMS** to foster discussion on these important topics by presenting original theoretical and experimental studies. It is anticipated that the mingling of professionals from industry and academia will provide a means for technological breakthroughs and fundamental knowledge transfer pertinent to touch-mode MEMS. All relevant studies on interfacial phenomena in MEMS are welcome, including the following topics:

- Reliability aspects
- Micro-discharge and trapped charges
- Contact- and tribo-electrification
- Contact electromechanics
- Adhesion and stiction
- Friction and wear
- SAMs and surface texturing and modifications
- Test microdevices
- Surface and interface characterization

Other relevant topics are also welcome. Please follow the abstract submission guidelines posted on <http://www.conferencetoolbox.org/WTC05/CallForPapers.cfm>

DEADLINES FOR ABSTRACTS:

Submission of Short Abstract: December 4, 2004

Author Notification of Abstract Acceptance: January 5, 2005

Submission of Extended Abstract for Review: February 5, 2005

Notification of Review Status and Final Acceptance: March 5, 2005

Submission of Final Extended Abstract and Forms: May 31, 2005

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