

2010 STLE/ASME International Joint Tribology Conference

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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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ANNOUNCEMENT AND CALL FOR EXTENDED ABSTRACTS BIOTRIBOLOGY TRACK

Biotribology is one of the most exciting and rapidly growing areas of tribology research. The subject covers a vast range of interests; from live cell interfaces to artificial implants and personal care products. In view of the diversity of disciplines involved in this research we are keen to see increased participation from scientists outside the traditional tribology domain. Contributions are therefore welcomed from scientists, engineers and clinicians working in the fields of orthopedic surgery, dermatology, biomechanics, biomaterials, cosmetic chemistry and biophysics.

Original research papers, both experimental and modeling, are invited for presentation at IJTC2010. The topics include (but are not limited to):

- Artificial implants: materials, wear, explant analysis, lubrication modeling
- Soft tissue interaction; contact lenses, bio-probes, tongue-palate contact
- Articular cartilage; mechanically-induced damage, modeling, biomaterials
- Bio-mimetics; bio-inspired tribology, materials and surfaces
- Personal care products: hair conditioners, skin creams
- Tactile perception, surface texture and haptics
- Bio-molecules and surface interaction

Two Special Sessions are planned:

Dr Cris Schwartz is organizing a session on **Skin Tribology** to include all aspects of skin friction and modeling and their clinical and commercial relevance. Please contact Cris Schwartz (cschwartz@tamu.edu) for further information.

Dr Daniele Dini is organizing a session on **Cartilage Modeling** which includes characterization of damage and tribological behaviour of biological tissue and artificial cartilage. Please contact Daniele Dini (d.dini@imperial.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 2 - Biotribology** 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

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