

# INFORMATION STORAGE & PROCESSING SYSTEMS

## Final Call for Papers: ISPS'07

17<sup>th</sup> ASME Information Storage & Processing Systems Conference

Sponsored by the ISPS Division of the ASME

June 18-19, 2007, Santa Clara University, California, USA

<http://divisions.asme.org/isps/conf/isps07>

**Conference Chairs:** Raymond A. de Callafon, University of California, San Diego, [callafon@ucsd.edu](mailto:callafon@ucsd.edu)  
Frank. E. Talke, University of California, San Diego, [ftalke@ucsd.edu](mailto:ftalke@ucsd.edu)

Contributions are solicited for technical presentations at the upcoming ASME ISPS'07 conference, held at Santa Clara University, CA, USA for June 18 and June 19, 2007. The ISPS is the division of the ASME that focuses on Information Storage and Processing Systems. The annual ISPS conference focuses on data storage and processing systems that may include magnetic and optical storage systems such as hard disks, tape storage systems and various optical storage systems; data processing systems such as copiers, printers, digital cameras, scanners, and data servers; intelligent machines, biomedical equipment, and wearable systems.

Due to the interdisciplinary nature of the research involved in data storage and processing systems, the conference features [Technical Sessions](#) that focuses on applications and research topics that include:

- **Actuators & Suspensions:** actuator and (dual-stage) suspension design, dynamics, analysis.
- **Servo Control & Servo Technology:** dynamics, vibrations, servo design, servo writing, tracking and seeking.
- **Tribology & Head/Media Interface:** friction, wear, lubrication, corrosion, contamination, thin films, contact mechanics, heat transfer.
- **Spindle Motor & Acoustics:** design, vibrations, acoustics and tribology related aspects.
- **Flexible Media Mechanics & Tape Storage:** design, lateral tape motion, tape tension, media.
- **Optical Storage & Technology:** design, media, holographic storage, servo related aspects.
- **Shock Analysis & Flow Induced Vibrations:** (non)operational shock analysis, flow induced vibrations.
- **Micro/Nano Technologies:** novel design concepts, patterned media, MEMS, NEMS and nanotechnology.
- **Image Processing & Consumer Electronics:** digital camera, camcorder, ink jet, thermal, laser printing, optical, etc

The conference also offers reduced registration fees for ASME members and Graduate Students with additional Conference Fellowships to waive students' registration fees.

Contributions should be submitted via a *one-page abstract* for reviewing purposes. Please submit the one-page abstract (Word, PDF) by **February 16, 2007** via email to our administrative support Marina Robenko, email: [mrobenko@ucsd.edu](mailto:mrobenko@ucsd.edu). Once the one-page abstract is accepted for presentation, the authors shall prepare a *three-page extended abstract* to be included in a conference booklet. Presenters are also offered the opportunity and encouraged to submit a full paper to be peer-reviewed and published in a Special Edition of *Microsystem Technologies*.

### Important deadlines for paper submissions:

**February 16, 2007:** 1-page abstract due, submit to Marina Robenko, email: [mrobenko@ucsd.edu](mailto:mrobenko@ucsd.edu).

February 23, 2007: Notification of acceptance based on 1-page abstract.

**March 31, 2007:** 3-page extended abstract due for conference booklet publication.

March 31, 2007: For Graduate Students only: submission of [ISPS Fellowship and/or Conference Scholarship](#).

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