



The 25th ASME Annual Conference on Information Storage & Processing Systems  
June 20-21, 2016, San Jose, California, USA

## ASME ISPS-2016 Call for Papers

Conference Website: <https://www.asme.org/events/isps/>

The 25<sup>th</sup> ASME Annual Conference on Information Storage and Processing Systems (ISPS'16) is now soliciting technical presentations for the conference to be held in San Jose, California, USA, from June 20<sup>th</sup> to June 21<sup>st</sup>, 2016. For this year, the ISPS'16 is co-located with ASME IoT intelligent hardware conference (ASME IoT Connect, <https://www.asme.org/events/iot>) and the InterPACK Pathfinder workshop.

The conference theme for this year is “New technology trends of data storage devices towards the era of IoT and big-data analysis.” The scope of the conference covers the following interdisciplinary research and application topics related to information storage and processing systems.

- **Tribology, Head/Media Interface:** Contact mechanics, lubrication, friction, wear, contamination, corrosion, thin films, heat-assisted magnetic recording, patterned media recording, magnetic recording
- **Actuator/Suspension and Sensors:** Designs and analyses of actuators and novel sensor technologies
- **Servo Control Technology:** System dynamics and designs of modern, high precision servo control systems
- **Shock and Flow Induced Vibrations:** Air-flow system, flow-structure interactions, shock and vibrations
- **Spindle Motor and Acoustics:** Tribology, vibrations, dynamics, and acoustics of disk/media-spindle systems
- **Micro/Nano Technology:** Novel design concepts and applications, patterned media, materials
- **Mechatronics, Robotics, and Automation:** System designs for intelligent machines; mechatronics involving robots and automation
- **Imaging/printing Technologies and Consumer Electronics:** Digital cameras, camcorders, thermal/laser printing, energy harvesting, “green and smart” house technology, ecosystems and other novel technologies and applications
- **Optical Storage and Future Technologies:** Design and analysis of integrated opto-mechatronics and storage systems and media
- **Flexible Media Mechanics and Tape Storage:** Mechanics and system design of tape drives, lateral tape motion, tape tension, wear, dynamics of high speed flexible tape, web motion, sheet metal, paper systems
- **Storage System and Future Technologies :** Data Center, Cloud Computing, and other future storage device/system related technologies

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## Conference Features

ISPS'16 offers the following features:

- One Best Paper Award for each technical track.
- One Best Student Paper Award.
- Three ISPS Division Graduate Student Fellowships in the form of USD 2,500 each and registration fee waiver.
- Six Conference Scholarships for graduate students in the form of registration fee waiver.
- Discounted registration fees for ASME members and students, respectively.
- Conference supported by ASME centralized web hosting and paper submission handling process.
- GoGreen initiative to use online access of conference materials (on-site WiFi access provided).

# Important Dates

- February 20, 2016**      3-page extended abstract (pdf) submission.
- March 14, 2016**        Notification of abstract acceptance.
- March 21, 2016**        2<sup>nd</sup> submission of 3-page extended abstract after revision request.
- April 18, 2016**         Submission of final, accepted papers.
- September 01, 2016**    Submission of full-length papers.

Please note the first abstract submission due on **February 20, 2016**. A detailed online text abstract and a full 3-page extended abstract are to be submitted to facilitate technical review for best track assignment and quality control. The 2<sup>nd</sup> submission is optional unless any revision request is received from the reviewer. The 3-page abstract template will be used for both types of submission, and will be posted in the conference website at: <https://www.asme.org/events/isps/>.

After the conference, all authors are encouraged to submit full papers, subject to peer reviews, for consideration of publication in a special issue in a journal, *Microsystem Technologies*.

## Technical Tracks and Organizers

Tracks	Organizers
Tribology, Head/Media Interface	Prof. F. E. Talke (UCSD, USA) Dr. Junguo Xu (HGST, Japan) Dr. Takayuki Yamamoto (WD, USA) Dr. Andrey Ovcharenko (WD, USA) Prof. Jia-Yang Juang (NTU, Taiwan)
Actuator/Suspension and Sensors	Dr. Fu-Ying Huang (HGST, Japan) Dr. Keiji Aruga (ARC, Japan) Dr. Yanning Liu (WD, USA) Prof. Y. J. Wang (NSYSU, Taiwan)
Servo Control Technology	Dr. Guoxiao Guo (WD, USA) Dr. Eng Hong Ong (SUTD, Singapore) Dr. Giovanni Cherubini (IBM Zurich, Switzerland) Prof. Misuto Hirata (Utsunomiya Univ., Japan)
Shock and Flow Induced Vibrations	Dr. Wuzhong Lin (SUTD, Singapore) Prof. Y. J. Wang (NSYSU, Taiwan)
Spindle Motor and Acoustics	Dr. Antanas (Tony) Daugela (Seagate, USA) Prof. Gunhee Jang (Hangyang Univ., Korea) Prof. J.C. Koo (Sungkyunkwan U, Korea)
Micro/Nano Technology	Prof. Kenji Fukuzawa (Nagoya Univ., Japan) Dr. Jiaping Yang (DSI, Singapore) Dr. Toshiki Hirano (HGST, USA) Prof. Shinichi Warisawa (U-Tokyo, Japan)
Mechatronics, Robotics, and Automation	Prof. Chris Kitts (Santa Clara Univ., USA) Prof. Behrad Khamesee (Univ. Waterloo, Canada) Prof. Tsung-Liang (Anthony) Wu (NKFUST, Taiwan) Prof. Jia-Ying Tu (NTHU, Taiwan)
Imaging/printing Technologies and Consumer Electronics	Dr. J. McAllister (HP, USA) Prof. Kyoung-Su Park (Gachon Univ., Korea) Prof. Taichi Sato (Tokyo Denki Univ., Japan)
Optical Storage and Future Technologies	Prof. N.-C. Park (Yonsei Univ., Korea) Dr. Jiro Hashizume (Hitachi, Japan) Prof. Paul C.-P. Chao (NCTU, Taiwan)
Flexible Media Mechanics & Tape Storage	Dr. J. McAllister (HP, USA) Prof James Chang (NTHU, Taiwan)
Storage System and Future Technologies	Dr. Yoichiro Tanaka (Toshiba, Japan) Prof. James Chang (NTHU, Taiwan)

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