

**Call for Papers**  
a Session on

**Methods and Systems of Tribology Diagnostics  
and Monitoring**

2016 ASME/ISCIE International Symposium on Flexible Automation (ISFA2016)  
InterContinental Hotel & Conference Center  
August 1-3, 2016, Cleveland, Ohio, USA

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**Session Technical Focus**

Machine reliability is extremely crucial for flexible automation. Methods and systems in the evaluation of tribosystem can significantly increase machine reliability and productivity. Due to the recent advance in sensor, wireless and automation technology, new techniques and systems can be developed to evaluate, analyze and predict tribological characteristics more accurately at different scales, particularly in real-time. We cordially invite you to submit a paper to share your knowledge and experience at the session in all areas related to **Methods and Systems of Tribology Diagnostics and Monitoring**. Papers from the industrial sector are particularly encouraged. In particular, the session welcomes both theoretical and applied papers in the areas including, but not limited to:

- Methods and systems to detect and measure factors initiating wear and contamination in tribosystems.
- Methods and systems to analyze obtained tribological characteristics data in order to improve tribosystems.
- Methods and systems to prevent tribological damage and to provide recommendations for monitoring operators.
- Development of sensor, wireless, and automation technology for tribology diagnostics and monitoring.

**Paper Submission**

The deadline for submission of your contribution to this session is **February 29, 2016**. Both short and long papers will be considered. All submissions will be reviewed. In the case of short papers, please submit a summary of 1,000 words or less (short papers will be limited to 4 pages). In case of long papers, please submit a full paper of no more than eight pages. All manuscripts should be submitted through the conference website at <http://engineering.case.edu/conference/ISFA2016/>.

**Session Organizers**

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