Call for Papers
a Session on

Sensing and Information Extraction

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

Session Technical Focus

Sensors are widely used in almost any engineering system involving information flow and processing. Successfully extracting information from the sensor promises the success of a task. We cordially invite you to submit a paper to share your knowledge and expertise in all areas related to **Sensing and Information Extraction**. Papers from the industrial sector are particularly encouraged. The session welcomes both theoretical and applied papers in areas including, but not limited to:

- *Sensor design:* A range of sensor types exists for various electrical, optical, and mechanical applications.
- *Information extraction***:** This topic focuses on how to extract useful or desired information from raw sensor data. Methods include any signal processing, either in the time or frequency domain, discrete or continuous, deterministic or stochastic, and algebraic or dynamic. Techniques such as Kalman filter or adaptive estimator can also be adopted for information extraction.
- *Sensing fusion:* If multiple sensors are used, a sensing fusion algorithm can be implemented to extract better information by utilizing sensor redundancy. Both sensor design and the fusion algorithm can be addressed.

Paper Submission

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

Session Organizers

Chengyu Cao, University of Connecticut, ccao@engr.uconn.edu
Masafumi Hashimoto, Doshisha University, mhashimo@mail.doshisha.ac.jp
Jaspreet Dhupia, Nanyang Technological University, djaspreet@ntu.edu.sg
Katsumi Moriwaki, Daido University, moriwaki@daido-it.ac.jp
Satoru Sakai, Shinshu University, satorus@shinshu-u.ac.jp
Xingwei Wang, University of Massachusetts Lowell, Xingwei_wang@uml.edu