IEEE Transactions on Industrial Informatics

CALL FOR PAPERS
for Special Section on

"Multisensor Fusion and Integration for Intelligent Systems"

The Theme: The major goal of multisensor fusion systems is to achieve human-like performance in terms of perception, knowledge extraction, and situation assessment, exploiting symbolic and/or dynamical systems approaches. Original high-quality contributions are solicited which demonstrate progress on fundamental principles, algorithm, systems, or applications. Innovative results on multisensor fusion topics are invited such as sensor/actuator networks, distributed and cloud architectures, bio-inspired systems and evolutionary approaches, methods of cognitive sensor fusion, Bayesain approaches, fuzzy systems and neural networks, biomedical applications, autonomous vehicles (land, sea, air), localization, tracking, SLAM, 3D perception, manipulation with multifinger hands, robotics, micro/nano systems, information fusion, sensors, multimodal integration in HCI and HRI, etc. Prospective authors are invited to submit high-quality papers representing original results in all areas of multisensor fusion and integration for intelligent systems.

Topics include, but are not limited to, the following research topics and technologies:

sensor/actuator networks, distributed and cloud architectures, bio-inspired systems and evolutionary approaches, methods of cognitive sensor fusion, Bayesian approaches, fuzzy systems and neural networks, biomedical applications, autonomous vehicles of land, sea and air, localization, tracking, SLAM, 3D perception, manipulation with multifinger hands, robotics, micro/nano systems, information fusion, sensors, multimodal integration in HCI and HRI, etc.

Papers discussing new application areas and the resulting new developments at the interface of information technology and automation are especially welcome.

All contributions must focus on the use of information technology in automation. Results obtained by simulations must be validated in bounds by experiments or analytical results.

Manuscript Preparation and Submission

Follow the guidelines in “Information for Authors” in the IEEE Transaction on Industrial Informatics http://tii.ieee-ies.org/
Please submit your manuscript in electronic form through Manuscript Central web site: http://mc.manuscriptcentral.com/tii. On the submitting page #1 in popup menu of manuscript type, select: SS on Multisensor Fusion and Integration for Intelligent Systems

Submissions to this Special Section must represent original material that has been neither submitted to, nor published in, any other journal. Before submitting manuscript check the review criteria (http://tii.ieee-ies.org/o/RC.pdf).

Note: The recommended papers for the section are subject to final approval by the Editor-in-Chief. Some papers may be published outside the special section, at the EIC discretion.

Timetable: Expected publication date (tentative) February 28, 2017 October 2017

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