mfi16 Baden-Baden

Baden-Baden, Germany
September 19–21, 2016

Call for Papers

The IEEE 2016 International Conference on Multisensor Fusion and Integration for Intelligent Systems (IEEE MFI 2016) will take place in the beautiful city of Baden-Baden, Germany, September 19–21, 2016, in the Kongresshaus Baden-Baden from which you will have a beautiful view of the Lichtentaler Allee. Baden-Baden is a good place for sightseeing and for enjoying beautiful parks, spas, and casinos. Located in the south-west of Germany, it is a perfect starting point to visit not only Germany but also France and Switzerland.

Theme and Topics of Interest

The theme of the 2016 MFI conference is "*Taking Multi-Sensor Fusion to the Next Level: From Theory to Applications*". The main topics of interest are

Theory: Probability theory, Bayesian inference, nonlinear estimation, Dempster-Shafer, fuzzy sets, logic, machine learning, neural networks, distributed architectures.

Sensors: RGB cameras, depth cameras, radar and sonar devices, laser scanner, infrared sensors, IMU, gyroscopes.

Algorithms for: tracking and localization, recognition, perception, AI in robotics, cognitive systems, sensor registration, big data, sensor management, distributed sensor systems, SLAM, visual servoing, learning by demonstration.

Applications: Sensor networks, multi-robot systems, distributed and cloud robotics, bio-inspired systems, service robots, automation, biomedical applications, autonomous vehicles (land, sea, air), manipulation planning and control, multifinger hands, micro/nano systems, surveillance, multimodal interface and human robot interaction, navigation, Internet-of-Things, smart cities, cyber-physical systems, Industry 4.0, search/rescue/audition, field robotics, swarm robotics, force and tactile sensing, surgical robotics, humanoids, soft-bodied robots.

Paper Submission

Prospective authors are invited to submit papers electronically via the submission system at the conference website www.mfi2016.org. Paper templates and submission instructions will also be provided there. Submitted papers should be no more than six pages in length. There will be a charge for each additional page beyond six pages. An author of every paper has to register and all papers have to be approved for public release prior to submittal. Papers accepted will be published at IEEExplore.

Important Deadlines

Tutorial and Workshop proposals	May 21, 2016
Full paper submission	May 21, 2016
Notification of acceptance	June 22, 2016
Final paper submission and early registration	July 20, 2016

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