

## Call for Papers

The IEEE 2020 International Conference on Multisensor Fusion and Integration (IEEE MFI 2020) will take place in September in the beautiful city of Karlsruhe, Germany. Karlsruhe is a good place for sightseeing and for enjoying the beautiful scene, castle, and surroundings. The conference is held in the centrally-located IHK Haus der Wirtschaft, from which the castle, museums, and shopping districts are easily accessible. Located in the south-west of Germany, Karlsruhe is also a perfect starting point to visit not only Germany but also France and Switzerland.

## Theme and Topics of Interest

The theme of the 2020 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.mfi2020.org](http://www.mfi2020.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 IEEEExplore.

## Important Deadlines

Full paper submission	1 May 2020
Notification of acceptance	15 June 2020
Final paper submission and early registration	1 July 2020

### Organizing Committee

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Selected authors can submit extended versions to the MDPI Journal Sensors.

For more information contact  
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