

Call for Papers

The IEEE 2021 International Conference on Multisensor Fusion and Integration (IEEE MFI 2021) 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. Located in the south-west of Germany, Karlsruhe is also a perfect starting point to visit not only Germany but also France and Switzerland.

We are aware that the COVID-19 pandemic is a cause for concern for an international conference. Rest assured: there will be an option for virtual participation. The mode of presentation does not have an impact on the publication on IEEExplore.

Topics

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.mfi2021.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

Full paper submission	15 June	2021
Notification of acceptance	15 July	2021
Final paper submission and early registration	15 August	2021

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