

# November 27 – 29 2023



## Combined SDF and MFI Conference

### Call for Papers

#### Combined SDF and MFI

This year the combined IEEE 2023 Symposium Sensor Data Fusion and International Conference on Multisensor Fusion and Integration (SDF-MFI) will take place in Bonn, Germany. We are happy to announce the collaboration of two great conferences on robotics, data fusion, automation and intelligent systems in combined one-track conference. The UniClub Bonn next to the Rhine river at the center of the former capital provides a great venue.

#### 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.

#### Fees

€ 299.-	Students
€ 499.-	Regular

- For the student registration a proof of the student status is required.
- One registration covers one paper only.

#### Contributions

Prospective authors are encouraged to submit high-quality full draft papers (6-8 pages, IEEE format). All submissions are subject to a peer-review process by the technical program committee. Accepted and presented papers will be submitted to IEEE for publication. At least one of the authors of each accepted contribution is expected to register for the conference and to present the paper. For details contact [www.fkie.fraunhofer.de/sdf2023](http://www.fkie.fraunhofer.de/sdf2023).

#### Important Dates

31.08.2023	Submission of full draft papers
13.10.2023	Notification of acceptance
03.11.2023	Submission of the final version
27.11.2023	Start of the conference

#### Organisation

##### Executive Chairs:

- Wolfgang Koch**, Fraunhofer FKIE and University of Bonn, [w.koch@ieee.org](mailto:w.koch@ieee.org)
- Uwe D. Hanebeck**, Karlsruhe Institute of Technology KIT, [uwe.hanebeck@kit.edu](mailto:uwe.hanebeck@kit.edu)

##### Technical Program Chairs:

- Florian Pfaff**, Karlsruhe Institute of Technology KIT
- Felix Govaers**, Fraunhofer FKIE, Germany

#### Technical Program Committee

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