CALL FOR PAPERS

The International Conference on Information Fusion is the premier forum for interchange of the latest research in data and information fusion and its impacts on our society. The conference brings together researchers and practitioners from academia and industry to report on the latest scientific and technical advances. Authors are invited to submit papers describing advances and applications in information fusion.

The 21st FUSION conference will be held in Cambridge, United Kingdom, at the Department of Engineering, University of Cambridge, located near the centre of this historic and ancient university town.

TOPICS OF INTEREST

The conference deals with both high-level and low-level data and information fusion. The four main categories and example subcategories (non-exhaustive) are:

1. **Theory and representation**: probability theory, Bayesian inference, stochastic processes, fuzzy sets, Dempster–Shafer theory and belief functions.
2. **Algorithms for target tracking**, localization, situational awareness, intent/behaviour/swarm modeling, decision making, data mining, data analytics, sensor/resource management, compressed sensing, pattern analysis, machine learning, deep learning, artificial intelligence, sonar/radar/video tracking, image fusion, data association, distributed fusion, Markov Chain Monte Carlo, sequential MC and sensor registration.
3. **Modelling, simulation and evaluation**, considering a wide range from target and sensor modeling to fusion/tracking performance evaluation, and simulation tools.
4. **Applications of information fusion** such as sensor networks, navigation and guidance, aerospace, robotics, imaging, autonomy, computer and homeland security, defense and intelligence, operations research, business intelligence, environmental monitoring, medical care, intelligent transportation, economics and finance, Internet of Things, smart cities, remote sensing and big data.
5. **Special sessions** – In addition to the above topics, you can submit your paper to one of the 25 special sessions. See www.fusion2018.org for further information.

PAPER SUBMISSION

Prospective authors are invited to submit papers electronically via the system found at the conference web page. Paper templates and submission instructions will be available at the conference website www.fusion2018.org. Submitted papers should be no more than eight pages in length. All papers must be approved for public release prior to submission.

IMPORTANT DEADLINES

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