Call for Papers
FUSION 2016: Special Session - Information Fusion in Multi-Biometric Systems

The 19th International Conference on Information Fusion

July 5th to 8th, 2016
Heidelberg, Germany

http://fusion2016.org/

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

The 19th Fusion conference will be held in Heidelberg, Germany at the Heidelberg Convention Center located right at the river Neckar within the historic city. Heidelberg's famous historical castle, the Old Town, and the longest pedestrian zone in Europe are a must see for everybody visiting Germany.

Special Session: Information Fusion in Multi-Biometric Systems

This session will focus on the latest innovations and best practices in the emerging field of multi-biometric fusion. Biometrics tries to build an identity recognition decision based on the physical or behavioral characteristics of individuals. Multi-biometrics aims at outperforming the conventional biometric solutions by increasing accuracy, and robustness to intra-person variations and to noisy data. It also reduces the effect of the non-universality of biometric modalities and the vulnerability to spoof attacks. Fusion is performed to build a unified biometric decision based on the information collected from different biometric sources. This unified result must be constructed in a way that guarantees the best performance possible and take into account the efficiency of the solution.
The topic of this special session, Information Fusion in Multi-Biometrics, requires the development of innovative and diverse solutions. Those solutions must take into account the nature of biometric information sources as well as the level of fusion suitable for the application in hand. The fused information may include more general and non-biometric information such as the estimated age of the individual or the environment of the background.

This special session will be supported by the European Association for Biometrics (EAB). The EAB will provide technical support by addressing experts for reviews and will help with the dissemination and exploitation of the event.

Authors are invited to submit papers electronically via the system found at the conference web page. Paper templates and submission instructions are available at the conference website. Paper submissions are due by 1 March 2016 and should be of 4-8 pages.

The submission must be done directly to this session. A menu will appear on the paper submission site listing the “Information Fusion in Multi-Biometric Systems” session. All submitted papers will undergo a thorough review process; each paper will be refereed by at least three experts in the field based on relevance, originality, significance, quality and clarity.

FUSION 2016 follows a single-blind review process. Authors are required to include their names and affiliations in their papers as illustrated in the sample templates. Your PDF file must not include paper id, page number & conference name.

Topics of interest: Multi-Biometrics, Biometric fusion, Data-level fusion, Feature-level fusion, Score-level fusion, Fuzzy Fusion, Classification-based fusion, Combination-based fusion, Multi-Biometric Identification, Multi-Biometric forensics fusion, Soft biometrics fusion, Multi-biometric fusion as a counter spoofing measure.

For any question concerning paper submissions, please visit the conference web site or contact the special session organizer (Naser Damer, contacts below).

Paper submission information: http://fusion2016.org/Submissions

Paper submission deadline: 1 March 2016
Notification of acceptance: 1 May 2016
Final paper submission: 1 June 2016

Special session organizers

**Naser Damer**

Competence Center Identification and Biometrics IDB
Fraunhofer Institute for Computer Graphics Research IGD
Fraunhoferstr. 5
64283 Darmstadt, Germany
Tel +49 6151 155-521 | Fax +49 6151 155-499
Email: naser.damer@igd.fraunhofer.de
www.igd.fraunhofer.de/idb/en

**Raghavendra Ramachandra**

Norwegian University of Science and Technology (NTNU)
Teknologivegen 22
N-2815 Gjøvik, Norway
Tel +47 611 35-458
Email: raghavendra.ramachandra@hig.no
http://www.nislab.no/biometrics_lab