Technical Track on Intelligent Information Fusion (IIF)

30th SAC Symposium on Applied Computing
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Salamanca

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CAMPUS DE EXCELENCIA INTERNACIONAL

Scope

Research on Intelligent Systems for information fusion has matured during the last years and many effective applications of this technology are now deployed. The problem of Information Fusion has attracted significant attention in the artificial intelligence community, trying to innovate in the techniques used for combining the data and to provide new models for estimations and predictions. The growing advances of Information Fusion as rapid advances in sensor technology that provide context-information has led to new applications in different environments such as remote sensing, surveillance, home care, etc. With the continuing expansion of the domain of interest and the increasing complexity of the collected information, intelligent techniques for fusion processing have become a crucial component in information fusion applications. In this sense, Intelligent systems can improve high level information fusion aimed at supporting decision making, or intelligent information management This track provides an international forum to present and discuss the latest scientific developments and their effective applications, to assess the impact of the approach, and to facilitate technology transfer. This track provides a framework to present, to discuss, and to disseminate the latest developments and the most important outcomes related to intelligent information fusion.

The track will promote a forum for discussion on how Intelligent Systems and information fusion techniques, methods, and tools help system designers to accomplish the mapping between available technology and application needs. Other stakeholders should be rewarded with a better understanding of the potential and challenges of the Intelligent Systems in the information fusion approach. This track intends to bring together researchers and developers from industry and the academic world to report on the latest scientific and technical advances on the application of intelligent systems for information fusion, to discuss and debate the major issues, and to showcase the latest systems

Track chairs

Juan M. Corchado
University of Salamanca, Spain
Javier Bajo
Tech. University of Madrid, Spain
Prof. Sigeru Omatu
Osaka Institute of Tech., Japón
Prof. Carlos Ramos
Politécnico de Oporto, Portugal

Important Dates

September 12, 2014	Submission of regular papers and SRC abstracts
November 17, 2014	Notification of paper and SRC acceptance/rejection
December 8, 2014	Camera-ready copies of accepted papers
December 15, 2014	Author registration due date

Topics

- Intelligent systems for Information Fusion
- Multi-classifier/Decision Systems
- Multi-Sensor and Multi-Source Fusion System Architectures
- Wireless Sensor Networks
- Context Awareness And Management
- Adaptive Fusion Architectures
- Multiagent systems
- Fusion Learning and Classification algorithms
- Intelligent Techniques For Fusion Processing
- System Design for Information Fusion
- Distributed Computing
- Practical applications in fields as Image Analysis, Robotics, Space, Bio-medical, Transportation, Economics, and Financial Information Systems

Submissions/Publications

Papers submitted to the track will be subjected to a blind review process. The name(s) and address(es) of the author(s) must NOT appear in the body of the paper, and self-reference should be in the third person. Only the title should be shown on the first page without the authors' information. This is to facilitate blind reviews.

Papers will be carefully evaluated based on originality, significance, technical soundness and clarity of exposition. Paper registration is required, allowing the inclusion of the paper in the conference proceedings. An author or a proxy attending SAC MUST present the paper. This is a requirement for the paper to be included in the ACM/IEEE digital library. No-show of scheduled papers and posters will result in excluding them from the ACM/IEEE digital library.

Papers should be submitted electronically via the SAC 2014 website.