

CALL FOR PAPERS CAEPIA'15 / FINO'15

II SYMPOSIUM ON INFORMATION FUSION AND ENSEMBLES (FINO 2015)

under the frame of the Conferencia de la Asociación Española para la Inteligencia Artificial (CAEPIA'15)

9th to 12th November, 2015

ALBACETE, SPAIN

WEB PAGE:

<http://simd.albacete.org/caepia15/conferencia/fino2015/>

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OVERVIEW

After the successful celebration of a previous edition under the frame of the Conference of the Spanish Association of Artificial Intelligence (CAEPIA'13), the II Symposium on Information Fusion and Ensemble Learning intends to establish a meeting point for all researches with interest in this field of study included within the automated learning.

The symposium will welcome all contributions (both theoretical and applied) centered on the combination of simple automated learning algorithms to solve complex problems: this includes management of several data sources, training schemes, combination of results, etc.

We hope the FINO'15 will provide a stimulating and fruitful forum for presenting and discussing the latest works and advances on information fusion and ensemble learning.

TOPICS OF INTEREST

Some of the topics of interest for the symposium (although is not a comprehensive list) include:

- Ensemble Methodologies: Strategies and Techniques
- Homogeneous and Heterogeneous Ensembles
- Methods for ensemble training: Boosting, Bagging, Random Forest, etc.
- Ensemble for: classification, prediction, clustering, feature selection, etc.
- Diversity definitions and measures
- Methods for diversity in model generation

- Relations between ensemble diversity and performance
- Strategies for decision fusion
- Ensemble evaluation and comparative with other approaches
- Ensemble software development
- Real problem applications of ensembles
- One-class classifiers fusion
- Multi-class problem decomposition: One-vs-One, One-vs-All, ECOC, etc.
- Ensembles for multi-class or multi-label problems
- Ensembles for minimizing noise, unbalanced classes and transfer learning

JOURNAL PUBLICATION:

The best contribution presented in the proceedings of the FINO'15 will be invited to submit an extended version of the paper to the Information Systems Journal (Impact Factor: 3.472). <http://www.journals.elsevier.com/information-fusion/>

SUBMISSION & REGISTRATION

Submitted technical papers must be no longer than 10 pages. Accepted papers will be assigned a 15- or 20-minutes slot for oral presentation at the conference. The submitted paper will represent original research, with solid, well-founded or demonstrable results on any of the conference topics.

The papers must be submitted following the same procedure as for the main session of the conference:

<http://simd.albacete.org/caepia15/en/contributions/submission/>

Registration is also centralized and can be done in the same website <http://simd.albacete.org/caepia15/en/contributions/submission/>

Deadlines and other important dates also correspond with the conference agenda <http://simd.albacete.org/caepia15/en/contributions/important-dates/>

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