



IEEE International Conference on Fuzzy Systems

Royal-Continental Hotel

July 9-12, 2017 · Naples, Italy

2017 IEEE International Conference on Fuzzy Systems

(<http://www.fuzzieee2017.org/>)

Special Session on

Software for Soft Computing

(<http://sci2s.ugr.es/fuzzieee2017-ssc>)

Description of the session topic

The term Soft Computing, also widely known as Computational Intelligence, is usually used in reference to a family of several preexisting techniques (Fuzzy Logic, Neuro-computing, Probabilistic Reasoning, Evolutionary Computation, etc.) able to work in a cooperative way, taking profit from the main advantages of each individual technique, in order to solve lots of complex real-world problems for which other techniques are not well suited.

In the last few years, many software tools have been developed for Soft Computing. Although a lot of them are commercially distributed, unfortunately only a few tools are available as open source software (see the webpage <http://sci2s.ugr.es/fss>). Please, notice that such open tools have recently reached a high level of development. As a result, they are ready to play an important role for industry and academia research.

Scope and topics

The aim of this session is to provide a forum to disseminate and discuss Software for Soft Computing, with special attention to Fuzzy Systems Software. We want to offer an opportunity for researchers and practitioners to identify new promising research directions in this area. Potential topics of interest include but are not limited to:

- Data Preprocessing
- Data Mining and Evolutionary Knowledge Extraction
- Modeling, Control, and Optimization
- System Validation, Verification, and Exploratory Analysis
- Knowledge Extraction and Linguistic/Graphical Representation
- Visualization of results
- Languages for Soft Computing Software
- Interoperability
- Data Science, Big Data, and High Performance Computing (Map-Reduce, GPGPU, etc.)
- Applications

Deadlines

- Paper submission: **January 25th, 2017**
- Acceptance/rejection notification: **March 10th, 2017**
- Final paper submission: **April 8th, 2017**

- Conference dates: **July 9-12, 2017**

Program Committee

- **Jesús Alcalá-Fdez**, University of Granada (Spain)
- **José M. Alonso**, Research Centre in Information Technologies of the University of Santiago de Compostela (Spain)
- **Plamen Angelov**, Lancaster University (United Kingdom)
- **Christian Borgelt**, European Centre for Soft Computing (Spain)
- **Brigitte Charnomordic**, INRA/SupAgro (France)
- **Jose M. Cadenas**, University of Murcia (Spain)
- **Oscar Cordón**, University of Granada (Spain)
- **Serge Guillaume**, Cemagref (France)
- **Francisco Herrera**, University of Granada (Spain)
- **Chin Teng Lin**, National Chiao Tung University (Taiwan)
- **Luis Magdalena**, European Centre for Soft Computing (Spain)
- **Detlef Nauck**, BT's Intelligent Systems Research Centre (United Kingdom)
- **Luciano Sánchez**, University of Oviedo (Spain)
- **Christian Wagner**, University of Nottingham (United Kingdom)

Notes

If you are interested in taking part on this special session, please submit your paper directly through the [FUZZ-IEEE web site](http://www.fuzzieee2017.org/) selecting the option "Main research topic": Special Session on Software for Soft Computing.

Papers submitted for special sessions are to be peer-reviewed with the same criteria used for the rest of contributed papers. As a result, all accepted papers will be included in the proceedings of the FUZZ-IEEE 2017.

Organizers

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