2018 IEEE International Conference on Fuzzy Systems (http://www.ecomp.poli.br/~wcci2018/)

Special Session on Software for Soft Computing (http://sci2s.ugr.es/fuzzieee2018-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. Most of these tools are available as open source software (see the webpage http://sci2s.ugr.es/fss). Please, notice that they are ready to play an important role in both industry and academia.

**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 are:

- 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 and Standards
- Data Science, Big Data, and High Performance Computing (Map-Reduce, GPGPU, etc.)
- Applications

**Notes**
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 2018. If you are interested in taking part in this special session, please submit your paper directly through the FUZZ-IEEE website selecting the option "Main research topic": Special Session on Software for Soft Computing.

**Deadlines**
- Paper submission: January 15th, 2018
- Acceptance/rejection notification: March 15th, 2018
- Final paper submission: May 1st, 2018
- Conference dates: July 8-13, 2018

**Program Committee**

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- Jose Manuel Soto-Hidalgo, University of Cordoba (Spain)
- Plamen Angelov, Lancaster University (UK)
- Christian Borgelt, European Centre for Soft Computing (Spain)
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