

FUZZ-IEEE 2011 Special Session on Computing With Words (CWW)

AIM OF THE SESSION:

The term *Computing with words* (CW or CWW or CWP) was introduced by Lotfi Zadeh in 1996, then expanded to the *Computational theory of Perceptions* (CTP) in 2000, to *Precisiated Natural Language* (PNL) in 2004, and more recently to *Computation with Information Described in Natural Language* (NL-Computation) in 2007.

The aims of this special session are to highlight the most significant recent developments on the topics of CWW, to identify the most recent research directions, and to publicize CWW to a wider audience. More specifically, the aims are to help clarify what is Computing with Words, to exchange ideas, approaches, problems and solutions, and, to share, discuss and present the latest results about this new approach.

SCOPE OF THE SESSION:

- Development of new Fuzzy models for representing words, connectives and sentences
- Fuzzy-Logic-Based Computational Semantics of Natural Languages
- Algorithms and methods for learning uses of words by interaction with users
- Significant experiments and/or real applications of CWW
- Theoretical studies of CWW paradigms and algorithms
- Development of new CWW paradigms and algorithms
- Validation of CWW paradigms
- Operational semantics for formal models of linguistic concepts (grounding words in perceptions and actions)

DEADLINES:

We would like to invite those researchers interested in CWW to contribute to this special session. If you are interested in submitting a paper, please send a tentative title, abstract and author's list **before December 15 2010** to the session organizers.

The deadlines of papers for the session are the same as the FUZZ-IEEE regular papers and will go through the normal reviewing process. So remember that:

- Deadline for Paper Submission is **January 15, 2011**.
- Notification of Acceptance/rejection is March 31, 2011.
- Deadline for Camera-ready papers is April 30, 2011.

Notice that we aim to define a proper scope for CWW; Hence papers out of the CWW scope will be redirected to the regular papers pool of the Conference.

ORGANIZERS:

Dr. Sergio Guadarrama	Prof. Jerry Mendel
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