



2013 IFSA World Congress NAFIPS Annual Meeting

*Edmonton, Canada
June 24-28, 2013*

Focus session on Computing with words in decision making: Foundations, models and applications

In many real decision situations defined under uncertain environments, with imprecise information, is straightforward the use of linguistic information due to the nature of different aspects of the decision problems. Computing with Words (CW) is a methodology that deals with words or sentences defined in a natural or artificial language instead of numbers, it emulates human cognitive processes to improve solving processes of problems dealing with uncertainty. Consequently, CW has been applied as computational basis to linguistic decision making, because it provides tools close to human beings reasoning processes related to decision making, which improve the resolution of decision making under uncertainty as linguistic decision making.

Both Decision Making and Computing with Words have recently attracted much attention in which, novel mathematical foundations and new decision models raised to be applied in different decision fields such as multi-criteria decision making, decision analysis, evaluation processes, etc.

Aims and Scope.

This invited session aims at providing an opportunity for researchers working in both research areas to discuss the state-of-the-art science and technologies, and their applications, to share their new ideas, original research results and practical experiences. More specifically, we expect you to have any contribution with the focus on the use of computing with words models in decision making.

For the practical organization of the session, we would appreciate your contribution. We would take advantage of the outcome of this session to join researchers from both areas for future cooperation and joint research.

Submissions

Focus session papers will be handled in the same way as regular papers. In particular, they will be peer-reviewed by the conference program committee on the basis of the same criteria, and the final decision of acceptance or rejection will be made by the conference chairs.

The important dates are, according to the conference guidelines:

- Paper submission: January 28, 2013
- Notification of acceptance: February 20, 2013
- Full paper submission: March 21, 2013

More information available at: <http://www.ualberta.ca/~reformat/ifs2013/index.html>.

Please send an e-mail expressing your intention to submit a paper, including authors' information, a tentative title and abstract, by December 24th, 2012. E-mail: rmrodrig@ujaen.es

Organizers

Francisco Herrera

University of Granada, Department of Computer Sciences and A.I.
C/ Daniel Saucedo Aranda s/n, 18071 Granada
Email: herrera@decsai.ugr.es

Luis Martínez

University of Jaén, Department of Computer Sciences
Campus Las Lagunillas s/n, 23071 Jaén
Email: martin@ujaen.es

Rosa M^a Rodríguez Domínguez

University of Jaén, Department of Computer Sciences
Campus Las Lagunillas s/n, 23071 Jaén
Email: rmrodrig@ujaen.es