Conference NAFIPS/IFSA 2013

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INVESTMENTS IN EDUCATION DEVELOPMENT

Basic Information about Conference

- Institution: Join Conference IFSA-NAFIPS
- Location: Edmonton, Alberta, Canada
- Date: 24.6. 29.6. 2013

Interesting facts

- Number of presented papers: 261
- Number of plenar talks: 5
- Number of special lectures: 8
- Number of application papers: 80%

Invited talks

- Lotfi A. Zadeh: Toward a Restriction-Centered Theory of Truth and Meaning
- Oscar Castillo: Bio-Inspired Optimization of Type-2 Fuzzy Systems in Intelligent Control Applications
- Vilem Novak: Techniques of Fuzzy Natural Logic in Modelling
- Kaoru Hirota, Fangyan Dong: Fuzzy Visualization Methodof Atmosfield and Kansei-Texture
- Christer Carlsson: Soft Computing in/by Analytics
- Donald H. Kraft: Fuzzy Information Retrieval: One Mans Journey
- Chin-Teng Lin: BCI Bio-Computational Intelligence vs Brain Computer Interface
- I. Burhan Türkşen: Type 1 to Full Type 2, ... Full Type n Fuzzy System Models
- Janusz Kacprzyk: A Special Role of Usuality Qualification in Computing with Words: Applications in Multiple Problem Areas

Vilem Novak: Techniques of Fuzzy Natural Logic in Modelling

In this talk, there was summarized the results in the theory and applications of Fuzzy Logic Natural (FNL). Main role in this logic presents natural language. There were first summarized the basics, such as fuzzy set theory, a mathematical model of vagueness, truth values, etc. Furthermore, the model explains the FNL, which is a branch of mathematical fuzzy logic extension fuzzy logic in the narrow sense of the word. Thus, terms in natural language. It was introduced methodology to work with such therms. Furthermore, there was introduced a methodology to work with quantifiers that are used in natural language, such as "a lot, almost all the large part, a few ...".

Vilem Novak: Techniques of Fuzzy Natural Logic in Modelling

Regular talks

Pythagorean Fuzzy Subsets

Ronald R. Yager

In this paper was present new definition of subset of fuzzy sets, called Pythagorean fuzzy sets. Also there was presented basic operations with this sets.

Toward Reduction of Formal Fuzzy Context

Radim Belohlavek, Jan Konecny

Authors in this paper present new methodology, how to reduce size of fuzzy formal context. They present which rows and columns we can remove from context without any loss of information.

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