

**NAFIPS**  
North American Fuzzy  
Information Processing Society

**Edmonton, Canada**  
**June 24-28, 2013**

# IFSA World Congress 2013 NAFIPS Annual Meeting

[www.ifsa2013.org](http://www.ifsa2013.org)

## Venue

The **15th IFSA World Congress** and **32nd Annual Meeting of NAFIPS** will be held together in Edmonton, Alberta, one of the most vibrant cities in Canada with a wealth of cultural and tourist attractions. It is a home to the research-intensive University of Alberta, as well as Edmonton Oilers and Wayne Gretzky. It is a gateway to Rocky Mountains and North Canada. Edmonton offers a lot of possibilities to learn more about geographical and cultural variety of western Canada.

## Aims and Scope

As a truly unique and international conference in the areas of fuzzy sets and soft computing, 2013 IFSA-NAFIPS Joint Congress will bring together scientists, engineers, students, and practitioners working in fuzzy logic and related areas to present their recent research accomplishments. The Congress offers a unique platform for the exchange of ideas, fostering interaction and building multidisciplinary research linkages.

## Topics

The topics cover all aspects of fuzzy systems and their applications including, but not limited to

- fuzzy sets and fuzzy logic
- mathematical foundations of fuzzy sets and fuzzy systems
- approximate reasoning, fuzzy inference models, and soft computing
- fuzzy decision analysis, decision making, optimization, and design
- fuzzy system architectures and hardware
- fuzzy methods in data analysis, statistics and imprecise probability
- fuzzy databases and information retrieval
- fuzzy pattern recognition and image processing
- fuzzy sets in management science
- fuzzy control and robotics
- possibility theory
- fuzzy sets and logic in ontology, web, and social networks
- fuzzy preference modeling
- fuzzy sets in operations research and manufacturing
- fuzzy database mining and financial forecasting
- fuzzy neural networks
- evolutionary and hybrid systems
- intelligent agents and ambient intelligence
- learning, adaptive, and evolvable fuzzy systems

## Focused Sessions

Proposals for focused sessions concentrating on fundamentals, algorithms, and innovative applications of fuzzy sets and soft computing are welcome. Submission of proposals should include a short description of the session, its relevance to the Joint Congress, and a list of potential contributors. Focused sessions will be open to all participants. Organizers of Focused Sessions will be responsible for a reviewing process.

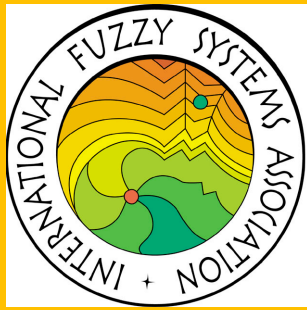
Focused Session proposals due:	<b>December 23, 2012</b>
Papers due:	<b>January 28, 2013</b>
Notification of Acceptance:	<b>February 20, 2013</b>
Final Papers and Early Registration:	<b>March 21, 2013</b>

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### Best Paper Awards

Two awards will be given to authors of outstanding papers, one of them for the best student paper award. To qualify for the competition, a student must be the principal (first) author of the paper and he/she should present the paper. The awardees will be decided based on the manuscript as well as on the presentation.

### Chairs

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Marek Z. Reformat (*University of Alberta*)

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#### Industrial Liaison Chair

Aminah Robinson Fayek (*University of Alberta*)

#### Focus Session Chair

Scott Dick (*University of Alberta*)

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Wei Wang (China)

M. Yamada (Japan)

Fusheng Yu (China)

M.H. Fazel Zarandi (Iran)

Hans J. Zimmermann (Germany)

Tofigh Allahviranloo (Iran)

Barnabas Bede (USA)

Isabelle Bloch (France)

Tadeusz Burczynski (Poland)

Joao Carvalho (Portugal)

Wojciech Cholewa (Poland)

Bernard deBaets (Belgium)

Didier Dubois (France)

Takeshi Furuhashi (Japan)

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Hisao Ishibuchi (Japan)

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