



## Fourth Workshop of Hybrid Intelligent Systems at [MICAI-2011](#)

Hybrid Artificial Intelligent Systems try to deal with the complexity of real world phenomena, with a multidisciplinary approach and a plurality of techniques. The complex systems where they are applied cover biology, medicine, logistics, management, engineering, humanities... all characterized by the difficulty of modelling their usual problems by classical methods. In this framework, this special session is aimed at discussing research on working with social interactions, by using agents or any artificial intelligence technique. Therefore, it will focus on social simulation and dynamic social network systems. It also covers the Hybrid Systems with the capability to hold a negotiation about a topic, demonstrate reputation using diverse models, together with argumentation procedures as a way for reaching agreements during the negotiation process.

### **Accepted Papers Workshop Scheduling**

#### **Chair/Co-Chair:**

Alberto Ochoa O. Zezatti - Instituto de Ingeniería y Tecnología, Universidad Autónoma de Ciudad Juárez (chair).

Carlos Delgado Mata – Universidad Bonaterra (co-chair).

José Martínez - Instituto Tecnológico de Ciudad Madero (ITCM) (co-chair).

Elisa Schaffer – Universidad Autónoma de Nuevo León (co-chair)

#### **Program Committee:**

Halina Iztbegovic, Montenegro University

Irina Döring, Volgograd University

Cristiano Castelfranchi, ISTC-CNR; Italy

Dagmar Zuraevic, Sarajevo University

Sylvie Ratté, ETS Montreal; Québec

Simonné Suarent, Technical University of Mauritius

Taardemi Suaromi, Technical University of Oulu, Finland

Czongor Sziladzi, Pécs University, Hungary

Antonio Padméterakiris, Nicosia University, Cyprus

Aliya Tatkedhek, Kalmykia University, Russia Federation

Namri Löntsän, Oslo University, Norway

#### **Topics:**

Session encouraged topics include, but are not limited to:

- Social Networks in HAIS.
- HIS for Argumentation and Negotiation.
- Agent-Based Social Simulation, specially using Soft Computing Techniques.
- Theoretical Approaches with Social Network Analysis (e.g. Studies on Blogosphere and Virtual Communities).
- Applications on Virtual Social Networks (Web 2.0, P2P, Orkut, Myspace) .
- Virtual and Intelligent Games based on Artificial Societies (like RPGs).
- Social Data Mining.
- Artificial Societies and Social Simulation.

- Other application domains: Blogs, Cultural Aspects, Web Fan Clubs, Topic Communities, Opinion Dynamics, Diffusion Networks, Consumer Behavior.

### **Contributions:**

Original contributions are sought in the area of the topics covered by this Workshop. All submissions will be refereed by experts on the field based in originality, significance, quality and clarity. Every submitted paper to this Workshop will be reviewed by at least two members of the Program Committee.

Papers must be prepared according to the LNCS-LNAI style template (only MS-WORD format) (see: <http://www.springer.de/comp/lncs/authors.html>) and the length should be no longer than 8 pages including figures and bibliography.

All papers of this Workshop will be published in the journal RCS (ISSN) or a book with ISBN.

NOTICE: At least one author of each accepted paper must register in order for the paper to be included in the Proceedings.

### **Submission Details:**

In order to submit a paper electronically, authors must send an e-mail with the subject: "HIS10 Submission" to Alberto Ochoa O. Zezzatti ([alberto.ochoa@uacj.mx](mailto:alberto.ochoa@uacj.mx), [doctor\\_albertoochoa@hotmail.com](mailto:doctor_albertoochoa@hotmail.com)). The paper, in PDF format, has to be attached and the body of the message should contain the following data:

Paper title.

Authors' names and affiliations.

Postal address, e-mail address and phone number of the contact authors.

The abstract of the paper.

Up to five keywords.

Please contact any of the workshop organizers in case you have problems with electronic submissions.

### **Registration:**

In order to send the registration follow the directions on <http://www.micai.org/2011/>. In the registration field "Paper Number" put **paper\_no**, where paper\_no is the number in **Accepted Papers**.

Please contact Dr. Alberto Ochoa O. Zezzatti ([alberto.ochoa@uacj.mx](mailto:alberto.ochoa@uacj.mx), [doctor\\_albertoochoa@hotmail.com](mailto:doctor_albertoochoa@hotmail.com)) in case you have problems with the registration.

### **Length of the Workshop:**

28th of November 2011, 5 Hours (1 Day).

### **Important Dates:**

Proposal submission:	August, 31
Notification of acceptance:	September, 30
Camera-ready manuscripts:	October, 10