

Guest Editorial

Dr. Marcelo A. Falappa¹, Dra. Georgina Stegmayer²

¹Laboratorio de Investigación y Desarrollo en Inteligencia Artificial
Departamento de Ciencias e Ingeniería de la Computación
Universidad Nacional del Sur - CONICET
Bahía Blanca, Buenos Aires, Argentina
mfalappa@cs.uns.edu.ar

²Centro de Investigación y Desarrollo de Ingeniería en Sistemas de Información
Universidad Tecnológica Nacional, Facultad Regional Santa Fe - CONICET
Sante Fe, Santa Fe, Argentina
gstegmayer@santafe-conicet.gov.ar

ASAI, the Argentine Symposium on Artificial Intelligence, is an annual event intended to be one of the main forums of the Artificial Intelligence (AI) community in Argentina. The symposium aims at providing a forum for researchers and AI community members to discuss and exchange ideas and experiences on diverse topics of AI. Previous ASAI editions stimulated presentations on both applications of AI and new tools and foundations currently under development.

The annual ASAI is one of the leading events in the local community of Artificial Intelligence. It covers all topics in AI including:

- AI Development, Tools and Methodologies.
- AI Foundations (philosophy, epistemology, economics, etc).
- Machine Learning.
- Intelligent Agents and Multi-Agent Systems.
- Knowledge Discovery and Data Mining.
- Human-Computer Interaction.
- Virtual Reality.
- Computer Vision and Pattern Recognition.
- Evolutionary Computation.
- Innovative applications of Artificial Intelligence (Bioinformatics, Computational - Biology, Education, Internet, Law, Music, etc).
- Knowledge Acquisition.
- Knowledge Representation and Reasoning.

- Knowledge Engineering.
- Natural Language Processing.
- Speech Processing.
- Image Processing.
- Planning and Scheduling.
- Robotics.

The **13th Argentine Symposium on Artificial Intelligence (ASAI 2012)** was held during 27-28 August 2012, in La Plata, Buenos Aires, Argentina. ASAI 2012 was part of the 41th Argentine Conference on Informatics (JAIIO), Argentine Society for Informatics (SADIO). Since 1961, SADIO organizes JAIIO which is one of the most relevant events for the national and regional IT sector, with participants from both industry and academia. JAIIO is organized as a series of thematic symposia including topics such as software engineering, artificial intelligence, technology, agroinformatics, high performance computing, industrial informatics, free software, law, health, information society, and a students contest.

For the 2012 edition, the scientific committee of the ASAI was conformed by Ana Casali (Argentina), Alejandro J. García (Argentina), Ana Maguitman (Argentina), Ana Ruedin (Argentina), Bruno Cernuschi Frias (Argentina), Carlos I. Chesñevar (Argentina), Daniela Godoy (Argentina), Diego C. Martínez (Argentina), Diego Milone (Argentina), Edgardo Ferretti (Argentina), Eduardo L. Fermé (Portugal), Facundo Bromberg (Argentina), Gabriela Henning (Argentina), M. Guillermo Leguizamón (Argentina), Guillermo R. Simari (Argentina), Hector Geffner (Spain) Jessica A. Carballido (Argentina), Ignacio Ponzoni (Argentina), Juan Carlos Augusto (United Kingdom), Juan Carlos Gómez (Argentina), Laura Cecchi (Argentina), Leonardo Rufiner (Argentina), Lluís Godó (Spain), M. Carolina Monard (Brasil), M. Laura Caliusco (Argentina), M. Laura Cobo (Argentina), Marc Strickert (Germany), Marcelo Errecalde (Argentina), Pablo F. Verdes (United Kingdom) Pablo Granitto (Argentina), Rafael Calvo (Australia), Ricardo Rodríguez (Argentina), Rubén Armañanzas (Spain), Sebastián Sardiña (Australia), Silvia Schiaffino (Argentina), Laura Alonso Alemany (Argentina), Ihaz Ahmad (Portugal), M. de los Milagros Gutiérrez (Argentina), Marcelo Alborno (Argentina), Gerardo Parra (Argentina), Claudio Vaucheret (Argentina), Elisabeth Tapia (Argentina), Pablo Villarreal (Argentina) and M. Laura Caliusco (Argentina).

As the quantity and quality of the presented articles have been increased over the last years, in 2012 we decided to perform a selection process of the best papers presented in the ASAI in order to promote a widespread diffusion of the higher quality contributions. The result was the edition of a special issue of the journal “Inteligencia Artificial”, selecting the five best papers out of the sixteenth papers accepted for presentation at the conference. The papers, as described in the following, were resubmitted for a second phase of evaluation:

- *Selective revision with multiple informants and argumentative support.* Luciano H. Tamargo, Alejandro J. García, Matthias Thimm and Patrick Krümpelmann: 4–17.
- *Ratings Estimation on Group Recommender Systems.* Ingrid A. Christensen and Silvia Schiaffino: 18–29.
- *Emotion-directed Argument Awareness for Autonomous Agent Reasoning.* Santiago E. Fulladoza Dalibón, Diego C. Martínez and Guillermo R. Simari: 40–45.
- *Empowering an E-Government Platform Through Twitter-Based Arguments.* Kathrin Grosse, Carlos I. Chesñevar, Ana G. Maguitman and Elsa C. Estévez: 46–56.
- *Task Rescheduling using Relational Reinforcement Learning.* Jorge Palombarini and Ernesto Martínez: 57–68.

Acknowledgments

The would like to thank to “Asociación Española para la Inteligencia Artificial” (AEPIA) for its continuous support and for letting us publish the best papers presented at the ASAI, a joint event held with the 41th JAIIO, and to the Argentine Society for Informatics (SADIO) for trusting us as chairs of ASAI 2012.