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Special Issue on ASAI 2006

Introduction

ASAI, the Argentine Symposium on Artificial Intelligence, is an annual event intended to be the main forum of the Artificial Intelligence (AI) community in Argentina. The symposium provides a forum for researchers and AI community members to discuss and exchange ideas and experiences on diverse topics of AI.

The Eighth Argentine Symposium on Artificial Intelligence, ASAI 2006, was held during 4 – 5 September 2006, in Mendoza, Argentina. ASAI 2006 was part of the 35th JAIIO, the 35th Argentine Meetings on Informatics and Operations Research, organized by SADIO.

ASAI 2006 received 43 papers; each of them was reviewed by 3 experts on the topic of the paper. The Program Committee selected 17 of these articles to be presented at the Symposium. The presentations were organized in different academic sessions that covered the following topics: Machine Learning, Data Mining, Intelligent Agents, Argumentative Systems, Optimization, and Evolutionary Computation.

From the papers presented at ASAI 2006, four high quality articles were selected to be published in this Special Issue. The first article reviews common problems in linguistic resources and describes a new approach to represent ontological relationships. This work was carried out by Antonio Vaquero and Fernando Sáenz from Universidad Complutense de Madrid (Spain) and Álvarez Montero from Universidad Autonoma de Sinoala (Mexico),

Then, Felipe Houat de Brito, Artur Noura Teixeira, Otávio Noura Teixeira, and Roberto Oliveira from Universidade Federal do Pará (Brazil) describe a fuzzy approach to control genetic algorithm parameters.

The third article presents a classification approach for heterotic performance prediction based on molecular marker data. This research was carried out by Leandro Ornella and Elizabeth Tapia from Universidad Nacional de Rosario (Argentina).

The last paper authored by Maximiliano Bertacchini and Pablo Fierens from CITEFA and ITBA (Argentina), shows some preliminary results on masquerader detection using compression based similarity metrics.

Finally, to conclude the introduction to this special issue, I would like to thank ASAI 2006 Program Committee, Organizing Committee, invited speakers, reviewers, authors, attendees, and specially SADIO who made of the eight edition of this symposium a success. I would also like to thank the EJS for publishing ASAI 2006 articles and collaborating in this way with the goals of the Symposium.

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