

Yves Demazeau et al. (Eds.)

# Trends in Practical Applications of Agents and Multiagent Systems

8th International Conference on  
Practical Applications of Agents  
and Multiagent Systems

# Advances in Intelligent and Soft Computing

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and Multiagent Systems

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Centre National de la Recherche  
Scientifique, Maison Jean Kuntzmann  
110 av. de la Chimie  
F-38041 Grenoble, France  
E-mail: yves.demazeau@imag.fr

Frank Dignum  
Department of Information and  
Computing Sciences  
Universiteit Utrecht Centrumgebouw Noord,  
office A117, Padualaan 14, De Uitho  
3584CH Utrecht, The Netherlands  
E-mail: dignum@cs.uu.nl

Juan M. Corchado  
Departamento de Informática y Automática  
Facultad de Ciencias Universidad  
de Salamanca Plaza de la Merced  
S/N 37008 Salamanca, Spain  
E-mail: corchado@usal.es

Javier Bajo  
Escuela Universitaria de Informática  
Universidad Pontificia de Salamanca,  
Compañía 5, 37002 Salamanca, Spain  
E-mail: jbjajo@upsa.es

Rafael Corchuelo  
ETSI Informática Universidad  
de Sevilla Avda. Reina Mercedes  
s/n 41012 Sevilla, Spain  
E-mail: corchu@us.es

Emilio Corchado  
Departamento de Informática  
y Automática Facultad de Ciencias  
Universidad de Salamanca Plaza de la  
Merced S/N 37008 Salamanca, Spain  
E-mail: escorchado@ubu.es

Florentino Fernández-Riverola  
Escuela Superior de Ingeniería  
Informática, Edificio Politécnico,  
Despacho 408, Campus Universitario  
As Lagoas s/n, 32004 Ourense, Spain  
E-mail: riverola@ei.uvigo.es

Vicente Julián  
Departamento de Sistemas Informáticos  
y Computación Universidad Politécnica  
de Valencia, Camino de Vera s/n  
46022 Valencia, Spain  
E-mail: vinglada@dsic.upv.es

Pawel Pawlewski  
Department of Computing and Management  
Poznan University of Technology  
Strzelecka Str. 11, 60965 Poznan, Poland  
E-mail: pawel.pawlewski@put.poznan.pl

Andrew Campbell  
Department of Computer Science  
Dartmouth College 6211 Sudikoff Laboratory  
Hanover, NH 03755-3510, USA  
E-mail: campbell@cs.dartmouth.edu

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## Preface

New trends and strategies on Agents and Multi-Agent Systems have recently appeared and many effective applications of this technology are now deployed. An international forum to present and discuss the latest scientific trends and strategies on practical applications of Agents and Multi-Agent Systems, to assess the impact of the approach, and to facilitate technology transfer, has become a necessity.

PAAMS, the International Conference on Practical Applications of Agents and Multi-Agent Systems is an international yearly forum to present, to discuss, and to disseminate the latest developments and the most important outcomes related to real-world applications. It provides a unique opportunity to bring multi-disciplinary experts, academics and practitioners together to exchange their experience in the development of Agents and Multi-Agent Systems.

This volume presents the papers that have been accepted for the 2010 edition in the Special Sessions and Workshops. PAAMS 2010 Special Sessions and Workshops are a very useful tool in order to complement the regular program with new or emerging topics of particular interest to the participating community. Special Sessions and Workshops that emphasize on multi-disciplinary and transversal aspects, as well as cutting-edge topics were especially encouraged and welcomed.

PAAMS 2010 included a total of 7 special sessions and 2 workshops: Special sessions on Adaptive Multi-agent Systems, Multi-agent systems for Health Care and Bioinformatics, Multi-agent systems for Ambient Intelligence, Multi-Agent Systems for Manufacturing and Supply Chains, Enterprise Application and Information Integration, Software Agents in Knowledge Management and Bio-inspired and Multi-Agent Systems: Applications to Languages. The workshop on Artificial Intelligence and Distributed Computing included sessions on Sensing Systems and Intelligence and Ageing Well in the Knowledge Society. Finally, the workshop on on Systems, Man, & Cybernetics: SMC-Workshop.- IEEE-SPANISH CHAPTER provided an interesting opportunity to present and discuss the latest theoretical advances related to agents in the IEEE Spanish Chapter.

We would like to thank all the contributing authors, as well as Workshop and special session organizers and the members of the Program Committees and the

Organizing Committees for their hard and highly valuable work. Their work has helped to contribute to the success of the PAAMS 2010 event. Thanks for your help, PAAMS 2010 wouldn't exist without your contribution.

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