

Preface

These are the proceedings of the Sixth International Workshop on Cooperative Information Agents (CIA 2002), held at the Universidad de Rey Juan Carlos in Madrid, Spain, September 18–20, 2002. It was colocated with the Third International Workshop on Engineering Societies in the Agents World (ESAW 2002).

Since 1997 the annual CIA workshop series has aimed to provide an open forum for all parties interested in the research and development of intelligent information agents for the Internet and Web. Each event in this renowned series attempts to capture the intrinsic interdisciplinary nature of this research area by calling for contributions from different research communities, and by promoting open and informative discussions on all related topics.

In keeping with its tradition, this year's workshop featured a sequence of regular and invited talks of excellence given by leading experts in the fields related to information agent technology. These talks covered a broad area of topics of interest, such as information agents for mobile computing environments as well as information gathering, exchange, management, and collaborative recommender systems. Other topics included agent interaction and communication, negotiation strategies for purchasing relevant information, and agent-based distributed knowledge management.

As last year, the workshop issued two awards for best paper and best system innovation to acknowledge particularly significant advances in research and development, respectively, in the area of information agents. This year the *CIA System Innovation Award* and the *CIA 2002 Best Paper Award* were sponsored by the Spanish Association for Artificial Intelligence and Elsevier Science, respectively.

CIA 2002 featured 4 invited, 15 regular, and 8 short papers selected from 59 submissions. The result of the peer-review of all contributions is included in this volume, rich in interesting, inspiring, and advanced work in the research and development of intelligent information agents worldwide. All workshop proceedings to date have been published by Springer-Verlag as Lecture Notes in Artificial Intelligence Vols. 1202 (1997), 1435 (1998), 1652 (1999), 1860 (2000), and 2182 (2001).

The CIA 2002 workshop was organized in cooperation with the Association for Computing Machinery (ACM), and was supported by the French National Institute for Research in Computer Science and Control (INRIA). We are very much indebted to our sponsors whose financial support made this event possible and contributed to its success. The sponsors of CIA 2002 were: Spanish Ministry for Science and Technology, Spain; Universidad de Rey Juan Carlos, Spain; Elsevier Science, The Netherlands; Whitestein Technologies, Switzerland; IBM Research, Israel; Swiss Life AG, Switzerland; AutoDesk Inc., USA; and AgentLink II, (European Network of Excellence for Agent-Based Computing).

We are also grateful to the authors and invited speakers for contributing to this workshop, and to all members of the program committee and external reviewers for their very careful, critical, and thoughtful reviews of all submissions. Finally, a deep thanks goes to the brave members of the local organization team in Madrid for their hard work in providing CIA 2002 with a convenient location, and an exciting social program.

September 2002

Matthias Klusch, Sascha Ossowski and Onn Shehory

Co-chairs

Matthias Klusch (DFKI, Germany), General Chair
Sascha Ossowski (University Rey Juan Carlos, Spain)
Onn Shehory (IBM Research, Israel)

Program Committee

Wolfgang Benn (TU Chemnitz, Germany)
Federico Bergenti (University of Parma, Italy)
Sonia Bergamaschi (University of Modena, Italy)
Cristiano Castelfranchi (NRC Rome, Italy)
Brahim Chaib-draa (Laval University, Canada)
Rose Dieng (INRIA, France)
Frank Dignum (University of Utrecht, The Netherlands)
Tim Finin (University of Maryland at Baltimore, USA)
Mike Huhns (University of South Carolina, USA)
Toru Ishida (University of Kyoto, Japan)
Catholijn Jonker (Free University of Amsterdam, The Netherlands)
Larry Kerschberg (George Mason University, USA)
Yasuhiko Kitamura (Osaka City University, Japan)
Sarit Kraus (University of Maryland, USA)
Daniel Kudenko (University of York, UK)
Victor Lesser (University of Massachusetts, USA)
Mike Luck (University of Southampton, UK)
Pablo Noriega (CSIC, Spain)
Werner Nutt (Heriot-Watt University, Edinburgh, UK)
Eugenio Oliveira (University of Porto, Portugal)
Lin Padgham (RMIT, Australia)
Ana Paiva (TU Lisbon, Portugal)
Michal Pechoucek (TU Prague, Czech Republic)
Paolo Petta (Austrian Research Institute for AI, Austria)
Alun Preece (University of Aberdeen, UK)
Omer F. Rana (University of Wales, UK)
Ulrich Reimer (Swiss Life AG, Switzerland)
Volker Roth (Fraunhofer IGD, Germany)
Heiko Schuldt (ETH Zurich, Switzerland)
Sandip Sen (University of Tulsa, USA)
Amit Sheth (University of Georgia, USA)
Carles Sierra (CSIC AI Research Lab, Spain)
Munindar Singh (North Carolina State University, USA)
Von-Wun Soo (National Tsing Hua University, Taiwan)

VIII Organization

Robert Tolksdorf	(TU Berlin, Germany)
Steven Willmott	(EPFL Lausanne, Switzerland)
Mike Wooldridge	(University of Liverpool, UK)
Makoto Yokoo	(NTT Communication Science Lab, Japan)
Eric Yu	(University of Toronto, Canada)
Franco Zambonelli	(University of Modena, Italy)
Ning Zhong	(Maebashi Institute of Technology, Japan)

Local Organizing Committee

Holger Billhardt	Alberto Fernández
Vicente Matellán	Sascha Ossowski
Ana Pradera	Juan-Manuel Serrano

Cooperative Information Agents VI
6th International Workshop, CIA 2002, Madrid, Spain,
September 18 - 20, 2002. Proceedings
Klusch, M.; Ossowski, S.; Shehory, O. (Eds.)
2002, XII, 328 p., Softcover
ISBN: 978-3-540-44173-1