

Preface

This volume contains the papers presented at the 13th International Conference on Knowledge Engineering and Knowledge Management (EKAW 2002) held in Sigüenza, Spain, October 1-4, 2002.

Papers were invited on topics related to Knowledge Acquisition, Knowledge Management, Ontologies, and the Semantic Web. A total of 110 papers were submitted. Each submission was evaluated by at least two reviewers. The selection process has resulted in the acceptance of 20 long and 14 short papers for publication and presentation at the conference; an acceptance rate of about 30%. In addition, one invited paper by a keynote speaker is included. This volume contains 8 papers on Knowledge Acquisition, 4 about Knowledge Management, 16 on Ontologies, and 6 papers about the Semantic Web.

This was the second time (EKAW 2000 being the first) that the event was organized as a conference rather than as the usual workshop (hence the acronym: European Knowledge Acquisition Workshop). The large number of submissions (110 versus the usual 40-60) is an indication that the scientific community values EKAW as an important event to share experiences in the Knowledge Technology area, worthy of being organized as a prestigious international conference. Knowledge is the fuel of the upcoming Knowledge Economy. Therefore, we believe that conferences such as EKAW, that focus on Knowledge Technologies, will continue to play a major role as a platform for sharing and exchanging experiences and knowledge between key players in the area.

Another point to highlight is the appearance of the Semantic Web as a topic at EKAW 2002. We received 24 submissions in this area of which we could accept 6. The Semantic Web envisions a web where software can automatically process content in order to achieve *task delegation* as opposed to the current *information retrieval* paradigm. Topics traditionally dealt with at EKAW are key ingredients for building Semantic Web technology, such as ontologies, knowledge modeling and representation, languages and tools, knowledge management, and knowledge acquisition. Therefore, the Semantic Web is an excellent opportunity for the community to capitalize on our expertise in Knowledge Technology, built up over the last 15 years.

We would like to thank the International Program Committee for their enormous effort in the review process (many reviewers had to evaluate up to 10 papers). In all, 46 additional reviewers were called upon to complete the review process in time. We are also grateful to EKAW's Steering Committee for their advice on strategic decisions.

Inexpressible are our thanks to Angel López who designed and implemented a web-based system to manage the whole review process, without which we never would have made the deadlines. We thank Mariano Fernández-López for organizing the tutorials and workshops; Oscar Corcho for organizing the demo sessions; and Jose Angel Ramos for his help with managing the registration process. Last but not least, we are very grateful to the local organizers.

July 2002

Asunción Gómez-Pérez
V. Richard Benjamins

Conference Organization

Conference Chair

Asunción Gómez-Pérez

Universidad Politécnica de Madrid (Spain)

Conference Co-chair

V. Richard Benjamins

iSOCO (Spain)

Steering Committee

Nathalie AUSSENAC-GILLES

IRIT- CNRS Toulouse (F)

V. Richard BENJAMINS

iSOCO (ES)

Joost BREUKER

University of Amsterdam (NL)

Rose DIENG

INRIA-Sophia-Antipolis, (F)

Dieter FENSEL

Free University of Amsterdam (NL)

Brian GAINES

University of Calgary (CA)

Riichiro MIZOGUCHI

Osaka University (JP)

Enrico MOTTA

Open University (UK)

Mark MUSEN

Stanford University (USA)

Nigel SHADBOLT

University of Southampton (UK)

Rudi STUDER

University of Karlsruhe (D)

Frank VAN HARMELEN

Free University Amsterdam (NL)

Program Committee

Stuart AITKEN

University of Edinburgh (UK)

Hans AKKERMANS

Free University Amsterdam (NL)

Nathalie AUSSENAC-GILLES

IRIT- CNRS Toulouse (F)

Brigitte BIEBOW

LIPN, Université Paris-Nord (F)

Joost BREUKER

University of Amsterdam (NL)

Olivier CORBY

INRIA-Sophia-Antipolis (F)

Paul COMPTON

University of New South Wales (AU)

Ying DING

Free University of Amsterdam (NL)

Rose DIENG

INRIA-Sophia-Antipolis (F)

John DOMINGUE

Open University (UK)

Jérôme EUZENAT

INRIA Rhône-Alpes, (F)

Dieter FENSEL

Free University of Amsterdam (NL)

Mariano FERNANDEZ-LOPEZ

Universidad Politécnica de Madrid (ES)

Yolanda GIL

ISI, University of Southern California (USA)

Nicola GUARINO

Consiglio Nazionale delle Ricerche (I)

Udo HAHN

Universitaet Freiburg (D)

Knut HINKELMANN

University of Applied Sciences Solothurn (CH)

Catholin JONKER

Free University of Amsterdam (NL)

Rob KREMER

University of Calgary (CA)

Frank MAURER

University of Calgary (CA)

Robert MEERSMAN

Free University Brussels (BE)

Riichiro MIZOGUCHI

Osaka University (JP)

Martín MOLINA

Universidad Politécnica de Madrid (ES)

Hiroshi MOTODA

Osaka University, (JP)

Enrico MOTTA

Open University (UK)

Mark MUSEN	Stanford University (USA)
Daniel E. O'LEARY	University of Southern California (USA)
Enric PLAZA I CERVERA	Spanish Scientific Research Council, CSIC (ES)
Ulrich REIMER	Swiss Life (CH)
Chantal REYNAUD	University of Nanterre, Univ. of Paris-Sud (F)
Alfonso RODRIGUEZ	Universidad Politécnica de Madrid (ES)
François ROUSSELOT	LIIA-ENSAIS, University of Strasbourg (F)
Marie-Christine ROUSSET	University of Paris-Sud (F)
Guus SCHREIBER	University of Amsterdam (NL)
Nigel SHADBOLT	University of Southampton (UK)
Derek SLEEMAN	University of Aberdeen (UK)
Rudi STUDER	University of Karlsruhe (D)
Mike USCHOLD	Boeing (USA)
Frank VAN HARMELEN	Free University of Amsterdam (NL)
Gertjan VAN HEIJST	Oryon KMD BV (NL)
Mike WOOLDRIDGE	University of Liverpool (UK)

Tutorial and Workshop Chair

Mariano Fernández López	Universidad Politécnica de Madrid (Spain)
-------------------------	---

Demo Chair

Óscar Corcho	Universidad Politécnica de Madrid (Spain)
--------------	---

Local Organizers

Asunción Gómez-Pérez (UPM)
Mariano Fernández-López (UPM)
Óscar Corcho (UPM)
Ángel López Cima (UPM)
Socorro Bernardos Galindo (UPM)
José Ángel Ramos Gargantilla (UPM)

Additional Reviewers

Harith Alani	Koichi Hayashi	Heiner Stuckenschmidt
Trevor Bench Capon	Yannis Kalfoglou	Arthur Stutt
Mercedes Blázquez	Hideaki KANAI	Kaoru Sumi
Peter Brockhausen	Yoshinobu Kitamura	Valentina Tamma
Jeen Broekstra	Manuel Lama Penin	Rainer Telesko
Robert Colomb	Jerome Lang	Farouk Toumani
Ernesto Comptangelo	Peter Lucas	Raphaël Troncy
Jesús Contreras	Ralf Molitor	Maria Vargas-Vera
Oscar Corcho	Kieron O'Hara	Robert Woitsch
Antoine Cornuejols	Juan Pazos	Tetsuya Yoshida
Monica Crubezy	Stephen Potter	Daniela Zbinden
Martin Dzbor	Luc Schneider	Jijuan Zheng
Pete Edwards	Stefan Schulz	
Aldo Gangemi	Peter Spyns	
Nick Gibbins	Steffen Staab	
Siegfried Handschuh	Martin Staudt	
Steve Harris	Ljiljana Stojanovic	

EKAW 2002 Sponsors

<p>Universidad Politécnica de Madrid (UPM)</p> <p>http://www.upm.es/</p>	 <p>UPM</p>
<p>Facultad de Informática, UPM</p> <p>http://www.fi.upm.es/</p>	 <p>FI</p>
<p>iSOCO (Intelligent Software Components, S.A.)</p> <p>http://www.isoco.com/</p>	
<p>Ministerio de Ciencia y Tecnología</p> <p>http://www.mcyt.es/</p>	
<p>OntoWeb</p> <p>http://www.ontoweb.org/</p>	 <p>OntoWeb</p>
<p>AAAI (American Association for Artificial Intelligence)</p> <p>http://www.aaai.org/</p>	 <p>AAAI</p>
<p>IBROW</p> <p>http://www.swi.psy.uva.nl/projects/ibrow/home.html</p>	

Knowledge Engineering and Knowledge Management:

Ontologies and the Semantic Web

Ontologies and the Semantic Web

Benjamins, V.R. (Ed.)

2002, XI, 402 p. 582 illus., 575 illus. in color., Softcover

ISBN: 978-3-540-44268-4