

Lecture Notes in Artificial Intelligence 7457

Subseries of Lecture Notes in Computer Science

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Knowledge Management and Acquisition for Intelligent Systems

12th Pacific Rim
Knowledge Acquisition Workshop, PKAW 2012
Kuching, Malaysia, September 5-6, 2012
Proceedings



Springer

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ISSN 0302-9743

e-ISSN 1611-3349

ISBN 978-3-642-32540-3

e-ISBN 978-3-642-32541-0

DOI 10.1007/978-3-642-32541-0

Springer Heidelberg Dordrecht London New York

Library of Congress Control Number: 2012943696

CR Subject Classification (1998): I.2.4, I.2.6-7, I.2.10-11, H.5, H.3, H.4, J.1

LNCS Sublibrary: SL 7 – Artificial Intelligence

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Typesetting: Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India

Printed on acid-free paper

Springer is part of Springer Science+Business Media (www.springer.com)

Preface

This volume contains the papers presented at PKAW2012: The 12th International Workshop on Knowledge Management and Acquisition for Intelligent Systems held during September 5–6, 2012, in Kuching, Malaysia, in conjunction with the 12th Pacific Rim International Conference on Artificial Intelligence (PRICAI 2012).

The purpose of this workshop is to provide a forum for presentation and discussion of all aspects of knowledge acquisition from both the theoretician's and practitioner's points of view. While it is well accepted that knowledge is vital for our individual, organizational, and societal survival and growth, the nature of knowledge and how it can be captured, represented, reused, maintained, and shared are not fully understood. This workshop explores approaches that address these issues. PKAW includes knowledge acquisition research involving manual and automated methods and combinations of both.

A total of 141 papers were considered. Each paper was reviewed by at least two reviewers, of which 18% were accepted as Full Papers and 8% as Short Papers. Papers have been revised according to the reviewers' comments. As a result, this volume includes 21 Full Papers and 11 Short Papers.

PKAW2012 was the evolution of over two decades of knowledge acquisition (KA) research in the Pacific region that continues to draw together a community of researchers and practitioners working in the area of intelligent systems. As can be seen from the themes in the proceedings, this evolution reflects changes in what technology can do and how it is being used and the issues facing researchers. Following trends over the past decade, we continue to see a predominance of approaches and applications involving Web technologies, with a noticeable increase in research related to Web 2.0 and social networking. As a feature of PKAW, the workshop continues to include research on incremental knowledge acquisition methods as well as ontology and agent-based approaches. We also note a large number of papers seeking to address specific issues in KA and evaluation of KA methods.

The Workshop Co-chairs would like to thank all those who contributed to PKAW 2012, including the PKAW Program Committee and other reviewers for their support and timely review of papers and the PRICAI Organizing Committee for handling all of the administrative and local matters. We wish to thank the Air Force Office of Scientific Research, Asian Office of Aerospace Research and Development for their contribution to the success of this conference. Thanks to EasyChair for streamlining the whole process of producing this volume. Particular thanks goes to those who submitted papers, presented, and attended the workshop. We hope to see you again in 2014.

June 2012

Deborah Richards
Byeong Ho Kang

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