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Preface

The 11th International Workshop on Knowledge Management and Acquisition for Smart Systems and Services (PKAW 2010) has provided a forum for the past two decades for researchers and practitioners working in the area of machine intelligence. PKAW covers a spectrum of techniques and approaches to implement smartness in IT applications. As evidenced in the papers in this volume, machine intelligence solutions incorporate many areas of AI such as ontological engineering, agent-based technology, robotics, image recognition and the Semantic Web as well as many other fields of computing such as software engineering, security, databases, the Internet, information retrieval, language technology and game technology.

PKAW has evolved to embrace and foster advances in theory, practice and technology not only in knowledge acquisition and capture but all aspects of knowledge management including reuse, sharing, maintenance, transfer, merging, reconciliation, creation and dissemination. As many nations strive to be knowledge economies and organizations seek to maximize their knowledge assets and usage, solutions to handle the complex task of knowledge management are more important than ever. This volume contributes towards this goal.

This volume seeks to disseminate the latest solutions from the International Workshop on Knowledge Management and Acquisition for Smart Systems and Services (PKAW 2010) held in Daegu, Korea during August 30–31, 2010 in conjunction with the Pacific Rim International Conference on Artificial Intelligence (PRICAI 2010). The workshop received 94 submissions. From these, we accepted 26 papers (28%) for full presentations. All papers were blind reviewed by at least two members of the PKAW/PRICAI Program Committee. The papers demonstrate a balance of theoretical, technical and application–driven research, many papers incorporating all three foci. Approximately half the papers reflect the increasing use of KA methods for application areas such as mobile computing, Internet/WWW and game/multimedia areas.

The Workshop Co-chairs would like to thank all those who were involved with PKAW 2010 including the PRICAI 2010 Organizing Committee, PKAW Program Committee members, those who submitted papers and reviewed them and of course the authors, presenters and attendees. We warmly invite you to participate in PKAW 2012, anticipated to be held in conjunction with PRICAI 2012.

July 2010

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