

Call for Papers and Participation

PKAW 2008

The 2008 Pacific Rim Knowledge Acquisition Workshop

<http://www.cis.utas.edu.au/pkaw08/>

December 15-16, 2008, Hanoi, Vietnam

as part of The Tenth Pacific Rim International Conference on Artificial Intelligence

Introduction:

The Pacific Rim Knowledge Acquisition Workshops (PKAW) have provided a forum for the past two decades for researchers and practitioners in the Pacific region working in the area of knowledge acquisition. PKAW covers a spectrum of techniques and approaches ranging from manual knowledge acquisition from a human expert to fully automated knowledge acquisition using machine learning or data mining methods. With the growing recognition of the pivotal role that knowledge plays in the sustainability, competitiveness and growth of an organisation, together with the difficulties associated with effectively managing knowledge, finding solutions to address the knowledge acquisition bottleneck is even more important in today's society than in the early beginnings of this field. This workshop will explore and disseminate the latest solutions.

As a field within the larger field of Artificial Intelligence (AI), solutions incorporating other areas of AI such as ontological engineering, agent based technology, robotics, image recognition and the Semantic Web are common, as are knowledge acquisition methods related to other fields of computing such as databases, the Internet, information retrieval, language technology and game technology. Many solutions are application focussed addressing real world problems such as knowledge reuse, sharing, merging and reconciliation within a wide range of problem domains.

Topics of Interest:

Papers are invited for consideration in all aspects of knowledge acquisition for knowledge-based systems, including (but not restricted to):

- Fundamental views on knowledge that affect the knowledge acquisition process and the use of knowledge in knowledge engineering
- Algorithmic approaches to knowledge acquisition
- Tools and techniques for knowledge acquisition, knowledge maintenance and knowledge validation
- Evaluation of knowledge acquisition techniques, tools and methods
- Knowledge acquisition and machine learning
- Languages and frameworks for knowledge and knowledge modelling information systems or decision support systems
- Methods and techniques for sharing and reusing knowledge
- Distributed knowledge acquisition through infrastructures such as the Internet
- Ontology acquisition and the role of ontologies in knowledge acquisition

- The implications of the Semantic Web for knowledge acquisition
- The role of agents in knowledge acquisition
- Data mining and machine learning
- Business Rules, Knowledge Acquisition and Software Engineering

Instructions for Paper Submission:

All papers must be submitted electronically as PDF and in Springer LNAI format, using the EasyChair conference (<http://www.easychair.org/conferences/?conf=pkaw08>) management tool. The paper should be between 10 to 15 pages long. Please follow Springer's manuscript format guidelines (http://www.springer.com/east/home/computer/lncs?SGWID=5-164-12-73062-0&teaserId=49544&CENTER_ID=72397).

Important Dates:

Abstract Submission (Recommended): September 5th, 2008
Paper Submission: September 12th, 2008
Notification of Acceptance: October 10th, 2008
Camera Ready: October 31st, 2008

Review:

Each submission will be subjected to review by at least two members from the program committee. Acceptance is on the basis of relevance, originality, significance, soundness and clarity.

Publications:

All accepted papers will be published in the Workshop Proceedings. As in 2006, we plan to publish our proceedings by Springer to produce a Lecture Notes Series following the workshop. If the proceeding is not published by Springer, the authors will retain the copyright of submitted paper.

Questions and Suggestions

Concerning suggestions for the conference and other inquiries, write to the Program Co-chairs: A/Prof. Debbie Richards, Macquarie University (richards@ics.mq.edu.au); A/Prof. Byeong-ho Kang, Tasmania University (bhkang@utas.edu.au) For a complete listing of the Senior Program Committee members, please see <http://www.cis.utas.edu.au/pkaw08/committee.php>.