



EKAW'10

17th International Conference on
Knowledge Engineering and Knowledge Management
Lisbon, Portugal

„KE and KM by the Masses“

11 - 5 October 2010

<http://ekaw2010.inesc-id.pt>

The EKAW series

- History
 - Started as „European Knowledge Acquisition Workshop“ in 1987
 - From 1992 proceedings in LNCS, from 2000 denoted as conference
 - Originally annual, then each 1,5 year, most recently biannual - alternation with K-CAP conference oversea (originally KAW – „Banff workshop“)
 - Previous:
 - EKAW 2008, Acitrezza, Italy
 - EKAW 2006, Poděbrady, CZ
- Established community, friendly atmosphere, often location beyond big cities

Focus of the series

- Knowledge engineering „in narrow sense“
 - Knowledge Acquisition
 - Knowledge Modelling (Problem Solving Methods, Ontological Engineering, Ontology Patterns)
 - KBS design
- Recently strong influence by Semantic Web, Social Networks and Linked Data topics
- Special focus of 2010: involvement of masses
 - Now becoming more similar to ISWC etc. (though still a bit more ontology-oriented, less RDF DB etc. stuff?)
- Increasing support by industrial sponsors!

Some statistics of EKA W 2010

- 166 full paper submissions
 - substantial increase wrt. 2008 (102) and 2006 (119)
 - four different categories:
 - standard (128)
 - in-use (23)
 - problem analysis (14)
 - validation (1)
- 47 accepted (28% acceptance rate)
 - 22 long papers (13% acceptance) and 25 short papers
 - 37 standard (29% acc.), 9 in-use (39% acc.), 1 problem analysis
- About 90 registered participants

Overall Programme

- 3 invited talks
- 3 tutorials, 6 workshops (!)
- Sessions with contributed papers (single track)
- Poster/demo session
- Social events
 - Welcome Party (City Hall)
 - Sightseeing tour by coach
 - Conference dinner in a hotel in the city centre
- Excellent, enthusiastic organisation
 - by Philipp Cimiano and (local) Sofia Pinto

Invited talks

- Enrico Motta (KMI Open University): New Frontiers for Knowledge Engineering and Management: Embedding Knowledge Technologies in Everyday's Devices
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- Bernardo A. Huberman (HP): Social Media and Attention
 - Inversion in content creation: by many, often for few
 - Attention as valuable resource
 - In academia, seeking attention is symmetric; 'protocols' of paying by attention - citing etc.
 - Amazon Mechanical Turk - sentiment analysis for twitter messages on movies, 1000 people involved, prediction of movie success

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- Tom Scott: Using Linked Data to describe the natural world
 - <http://www.bbc.co.uk/wildlifefinder/>
 - Wildlife Onto: <http://purl.org/ontology/wo/>, + Programmes Onto
 - Wikipedia as CMS for BBC – fixing errors there...

Research Papers

- Breis et al.: Enriching the Gene Ontology via the Dissection of Labels using the Ontology Pre-Processor Language
 - Pattern-based processing: taxonomy normalization; label dissection
- Tudorache et al.: Ontology Development for the Masses: Creating ICD-11 in WebProtege
- Fürber, Hepp: Using Semantic Web Resources for Data Quality Management
 - DQ constraints close the world
 - Reduces data needed to check manually
- Tramp et al.: Weaving a Social Data Web with Semantic Pingback
- Adrian et al.: Epiphany: Adaptable RDFa Generation Linking the Web of Documents to the Web of Data
 - Recognizing instances in text, and mapping to relations known from background knowledge (competitor to Calais – not just for news domain onto)
- Zamazal et al.: Pattern-Based Ontology Transformation Service Exploiting OPPL and OWL-API

Workshops

- **Ontology Quality**
 - keynote by N. Guarino
- **Knowledge Injection into and Extraction from Linked Data (org.: Presutti, Scharffe, Svátek)**
 - keynote by M. Hepp: Ontology Engineering for Linked Data: What Makes For A Good Ontology?
 - Nuzzolese et al.: Semion: a smart triplification tool
 - Valle et al.: LOTED: Exploiting Linked Data in Analyzing European Procurement Notices
 - Vacura, Svátek: Ontological Analysis of Human Relations for Semantically Consistent Transformations of FOAF Data

Next edition

- EKA W 2012
 - Autumn 2012, Galway, Portugal
 - General Chair: Heiner Stuckenschmidt (Mannheim)
 - Program Chairs: Annette ten Teije (VUA), Johanna Völker (Mannheim)
 - Local Chair: Siegfried Handschuh (DERI)