

PROGRAM of EKAW 2010

Lisbon, Portugal

October 11th–15th, 2010

17th International Conference on Knowledge Engineering and Knowledge Management

Knowledge Engineering and Knowledge Management by the Masses

Program overview · EKAU 2010 · Lisbon

	Time	Room 1	Room 2	Room 3
Monday	09:00–12:00	–	Tutorial T1	–
	13:00–18:00	Workshop W1	Workshop W2	Workshop W3
Tuesday	09:00–18:20	Main Conference	–	–
Wednesday	09:00–18:00	Main Conference Dinner	–	–
Thursday	09:00–18:00	Main Conference	–	–
Friday	09:00–12:00	Workshop W4	Tutorial T3	Tutorial T2
	13:00–18:00	Workshop W5	Workshop W6	Tutorial T2/T3

Monday · October 11th · 2010 · Lisbon

Morning Session (09:00–12:00)

Tutorial T1: Ontology Learning from Folksonomies (*Andreas Hotho, Robert Jäschke*)

12:00 – 13:00 **Lunch Break**

Afternoon Session (13:00–18:00)

Workshop W1: Workshop on Context, Information and Ontologies –CIAO–
(*Vadim Ermolayev, Jose Manuel Gómez-Pérez, Peter Haase, Paul Warren*)

Workshop W2: Personal Semantic Data –PSD– (*Laura Dragan, Bernhard Schandl, Charlie Abela, Tudor Groza, Gunnar Aastrand Grimnes, Stefan Decker*)

Workshop W3: Open Knowledge Models –OKM– (*Robert Woitsch, Andras Micsik*)

Tuesday · October 12th · 2010 · Lisbon

- 09:00 – 09:15 **Opening**
- 09:15 – 10:15 **Invited Talk: Enrico Motta**
New Frontiers for Knowledge Engineering and Management:
Embedding Knowledge Technologies in Everyday's Devices
- 10:15 – 10:30 **Coffee Break**

Knowledge Engineering · Chair: Derek Sleeman

- 10:30 – 11:00 Enriching the Gene Ontology via the Dissection of Labels
using the Ontology Pre-Processor Language (*Jesualdo Tomas
Fernandez-Breis, Luigi Iannone, Ignazio Palmisano, Alan Rector, Robert
Stevens*) · **Research full paper**
- 11:00 – 11:30 Pattern-based Mapping Refinement (*Fayçal Hamdi, Chantal
Reynaud, Brigitte Safar*) · **Research full paper**
- 11:30 – 12:00 Practical Considerations on Identity for Instance Manage-
ment in Ontological Investigation (*Kouji Kozaki, Satoshi Endo,
Riichiro Mizoguchi*) · **Research full paper**
- 12:00 – 13:00 **Lunch Break**

Knowledge Acquisition · Chair: Matthieu D' Aquin

- 13:00 – 13:30 Involving Business Users in Formal Modeling using Natural
Language Pattern Sentences (*Ronald Heller, Jeroen van Grondelle,
Emiel Haandel, Tim Verburg*) · **In-use full paper**

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13:30 – 14:00 Knowledge Acquisition from Sources of Law in Public Administration (*Alexander Boer, Tom Van Engers, Saskia Van de Ven*) · **Problem analysis full paper**

Collaboration in Knowledge Engineering

14:00 – 14:30 Ontology Development for the Masses: Creating ICD-11 in WebProtege (*Tania Tudorache, Sean Falconer, Natasha Noy, Csongor Nyulas, Bedirhan Ustun, Margaret-Anne Storey, Mark Musen*) · **In-use full paper**

14:30 – 15:00 RDFauthor: Employing RDFa for collaborative Knowledge Engineering (*Sebastian Tramp, Norman Heino, Sören Auer, Philipp Frischmuth*) · **In-use full paper**

Knowledge Engineering: Patterns · Chair: Viktoria Pammer

15:00 – 15:30 Pattern-Based Ontology Transformation Service Exploiting OPPL and OWL-API (*Ondrej Svab-Zamazal, Vojtech Svatek, Luigi Iannone*) · **Research full paper**

15:30– 16:00 Experimenting with eXtreme Design (*Eva Blomqvist, Aldo Gangemi, Enrico Daga, Valentina Presutti*) · **Research full paper**

16:00 – 16:30 **Coffee Break**

Short Paper Pecha Kucha · Chair: Victoria Uren (16:30 – 18:20)

- Making Sense of Design Patterns (*Rinke Hoekstra, Joost Breuker*) · **Research short paper**

- Acquiring and Modelling Legal Knowledge Using Patterns: an application for the Dutch Immigration and Naturalisation Service (*Patries Kordelaar, Freek van Teeseling, Edwin Hoogland*) · **In-use short paper**
- A Model-Driven Approach for Using Templates in OWL Ontologies (*Fernando Silva Parreiras, Gerd Groener, Tobias Walter, Steffen Staab*) · **Research short paper**
- Specialization and Validation of Statecharts in OWL (*Gerd Groener, Steffen Staab*) · **Research short paper**
- Temporal Knowledge Acquisition and Modeling (*Cyril Faucher, Charles Teissèdre, Jean-Yves Lafaye, Frédéric Bertrand*) · **Research short paper**
- Machine Learning to Support Continuous Ontology Development (*Maryam Ramezani, Hans-Fried Witschel, Simone Braun, Valentin Zacharias*) · **Research short paper**
- Handling markup overlaps using OWL (*Angelo Di Iorio, Silvio Peroni, Fabio Vitali*) · **Research short paper**
- Ontology Learning for Cost-Effective Large-scale Semantic Annotation of XML Schemas and Web Service Interfaces (*Shahab Mokarizadeh, Peep Küngas, Mihhail Matskin*) · **Research short paper**
- Towards Hybrid Reasoning for Verifying and Validating Multilevel Model (*Nophadol Jekjantuk*) · **In-use short paper**
- Representing, Proving and Sharing Trustworthiness of Web Resources Using Veracity (*Grégoire Burel, Amparo Elizabeth Cano Basave, Matthew Rowe, Alfonso Sosa*) · **Research short paper**
- Enhancing Content-based Recommendation with the Task Model of Classification (*Yiwen Wang, Shenghui Wang, Natalia Stash, Lora Aroyo, Guus Schreiber*) · **Research short paper**

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09:00 – 10:00 **Invited Talk: Bernardo Huberman**
Social Media and Attention

10:00 – 10:30 **Coffee Break**

Social Aspects / Tagging · Chair: Vojtech Svatek

10:30 – 11:00 Weaving a Social Data Web with Semantic Pingback (*Sebastian Tramp, Philipp Frischmuth, Timofey Ermilov, Sören Auer*) ·
Research full paper

11:00 – 11:30 Social People-Tagging vs. Social Bookmark-Tagging (*Peyman Nasirifard, Sheila Kinsella krystian, Stefan Decker*) · **Research full paper**

11:30– 12:00 FOLCOM or the costs of tagging (*Elena Simperl, Tobias Bürger, Christian Hofer*) · **Research full paper**

12:00 – 13:00 **Lunch Break**

Short Paper Pecha Kucha · Chair: Valentina Presutti (13:00 – 15:30)

- Extending Open Rating Systems for Ontology Ranking and Reuse (*Holger Lewen, Mathieu D'Aquin*) · **Research short paper**
- HyperTwitter: Collaborative Knowledge Engineering via Twitter Messages (*Martin Hepp*) · **Research short paper**
- TagSorting: A Tagging Environment for Collaboratively Building Ontologies (*Leyla Jael García Castro, Martin Hepp, Alexander García Castro*) · **Research short paper**

- QuiKey – an Efficient Semantic Command Line (*Heiko Haller*) · **Research short paper**
- Kali-ma: a semantic guide to browsing and accessing functionalities in plugin-based tools (*Alessandro Adamou, Valentina Presutti, Aldo Gangemi*) · **Research short paper**
- Constructing Understandable Explanations for Semantic Search Results (*Björn Forcher, Michael Sintek, Thomas Roth-Berghofer, Andreas Dengel*) · **Research short paper**
- Ontology engineering with rough concepts and instances (*C. Maria Keet*) · **Research short paper**
- Building Large Lexicalized Ontologies from Text: a Use Case in Indexing Biotechnology Patents (*Claire Nedellec, Wiktoria Golik, Sophie Aubin, Robert Bossy*) · **Research short paper**
- ReBEC: a Method for Capturing Experience during Software Development Projects (*Gerardo Maturro, Andres Silva*) · **Research short paper**
- Reasoning by Analogy in the Generation of Domain Acceptable Ontology Refinements (*Laura Moss, Derek Sleeman, Malcolm Sim*) · **Research short paper**
- Evaluations of User-Driven Ontology Summarization (*Ning Li, Enrico Motta*) · **Research short paper**
- A Visualization Service for the Semantic Web (*Sean Falconer, Chris Callendar, Margaret-Anne Storey*) · **In-use short paper**
- How much Semantic Data on Small Devices? (*Mathieu D'Aquin, Andriy Nikolov, Enrico Motta*) · **Research short paper**

- A Semantic Approach for Learning Objects Repositories with Knowledge Re-use (*Isabel Azevedo, Rui Seiça, Adela Ortiz, Eurico Carrapatoso, Carlos Vaz de Carvalho*)
· In-use short paper

15:30 – 16:00 **Coffee Break**

Poster & Demo Session ·

Chairs: Johanna Völker and Oscar Corcho (16:00 – 18:00)

Posters

- Reasoning by Analogy in the Generation of Domain Acceptable Ontology Refinements (*Laura Moss, Derek Sleeman, Malcolm Sim*)
- Automatically Supporting Formative Ontology Evaluation in an Ontology Engineering Environment (*Viktoria Pammer, Chiara Ghidini, Marco Rospocher, Luciano Serafini, Stefanie Lindstaedt*)
- Exploiting Redundancy for Pattern-based Relation Instantiation using tOKo (*Viktor De Boer, Maarten van Someren, Bob Wielinga, Anjo Anjewierden*)
- Ontology-based Validation of Agent Oriented Modelling (*Alex Lopez-Lorca, Ghassan Beydoun, Leon Sterling, Tim Miller*)
- Automated Recommendation Rule Acquisition for Two-Way Interaction-based Social Network Web Sites (*Yang Sok Kim, Ashesh Mahidadia, Paul Compton, Alfred Krzywicki, Wayne Wobcke, Mike Bain, Xiongcai Cai*)
- A Study of Parallel Enumerative Structures for Ontology Building and Enrichment (*Mouna Kamel, Bernard Rothenburger*)
- MoKi: a Wiki-Based Conceptual Modeling Tool (*Marco Rospocher, Chiara Ghidini, Luciano Serafini*)
- DBTropes – a linked data wrapper approach incorporating community feedback (*Malte Kiesel, Gunnar Grimnes*)
- Evaluation of an Ontology Summarization Approach (*Ning Li, Enrico Motta, Mathieu D'Aquin, Zdenek Zdrahal*)
- Predicting the quality of semantic relations by applying Machine Learning classifiers (*Miriam Fernandez, Marta Sabou, Petr Knuth, Enrico Motta*)

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- Semi-automatic Multimedia Metadata Integration (*Samir Amir*)
- DAFOE: A Platform for Building Ontologies from Texts (*Jean Charlet, Sylvie Szulman, Nathalie Aus-senac-Gilles, Adeline Nazarenko, Henry Teguiaik, Eric Sardet*)
- NEST: A Model for Detecting Weak Signals of Emerging Trends Using Global Monitoring Expert Network (*Kim Seonho*)
- OWL Based Formalisation of Geographic Databases Specifications (*Nathalie Abadie, Ammar Mechouche, Sébastien Mustière*)
- An Ontological Approach to Integrating Task Representations in Sensor Networks (*Konrad Borowiecki, Alun Preece*)
- Associating Semantics to Multilingual Tags in Folksonomies (*Andrés García-Silva, Oscar Corcho, Jorge Gracia*)
- Evaluation of a Semantic-Oriented Approach to Cross-Lingual Ontology Mapping (*Bo Fu, Rob Brennan, Declan O'Sullivan*)
- Towards Web-based Mass Argumentation in Natural Language (*Adam Wyner, Tom Van Engers*)
- Rich Lexical Knowledge based Q&A System for Ubiquitous Knowledge Service (*Asanee Kawtrakul, Patrick Saint-Dizier*)
- SPARQL-based detection of anti-patterns in OWL ontologies (*Oscar Corcho, Catherine Roussey, Francois Scharffe, Ondrej Svab-Zamazal*)
- OWL-based Reasoning Methods for Validating Archetyped Clinical Knowledge (*Marcos Menar-guez-Tortosa, Jesualdo Tomas Fernandez-Breis*)
- A Formalism and Method for the Automated Synthesis of Executable Process Models from SME-authored Process Diagrams (*José Manuel Gómez-Pérez, Michael Erdmann*)
- A Benchmark for Testing Instance-Based Ontology Matching Methods (*Katrin Zaiss, Stefan Conrad, Sven Vater*)
- A Semantic Wiki for the Engineering of Diagnostic Guideline Knowledge (*Reinhard Hatko, Jochen Reutelshöfer*)
- Representation and Inference of Privacy Risks Using Semantic Web Technologies (*Renata Vieira, Douglas da Silva, Tomas Sander, Alexandre Agustini, Caio Northfleet, Fernando Castilho, Mirian Bruckschen, Patricia Pizzinato, Paulo Bridi, Prasad Rao, Roger Granada*)
- The Orphanet Ontology -- Formalising Knowledge on Rare and Genetic Diseases (*Maja Milicic, Michael Cornell, Andrew Devereau*)

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- Legal Compliance in an Ontology-based Information System (*Albert Meroño-Peñuela, Núria Casellas, Sergi Torralba, Mario Reyes, Pompeu Casanovas*)
- Scientific and technical knowledge capitalisation at IRSN (*Helmut PITSCH, Gérald Favre, Sylviane Bonnefous*)
- Towards two-stage service representation & reasoning: from lightweight annotations to comprehensive semantics (*Stefan Dietze, Neil Benn, Hong Qing Yu, Carlos Pedrinaci, Ronald Siebes, Dong Liu, John Domingue*)
- Publishing Semantic Personal Notes as Linked Data (*Laura Dragan, Alexandre Passant, Tudor Groza, Siegfried Handschuh*)
- Acquiring and Modelling Legal Knowledge Using Patterns: an application for the Dutch Immigration and Naturalisation Service (*Patries Kordelaar, Freek van Teeseling, Edwin Hoogland*)
- A Model-Driven Approach for Using Templates in OWL Ontologies (*Fernando Silva Parreiras, Gerd Groener, Tobias Walter, Steffen Staab*)
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- QuiKey – an Efficient Semantic Command Line (*Heiko Haller*)
- Kali-ma: a semantic guide to browsing and accessing functionalities in plugin-based tools (*Alessandro Adamou, Valentina Presutti, Aldo Gangemi*)

Demos

- Risk Analysis and Prevention in Procedures: extraction and preliminary results (*Patrick SAINT-DIZIER*)
- Demo : Text Titling Application (*Cédric Lopez, Violaine Prince, Violaine Prince*)
- OntoWiki: a Semantic Data Wiki Enabling the Collaborative Creation and (Linked Data) Publication of RDF Knowledge Bases (*Sebastian Tramp, Philipp Frischmuth, Norman Heino*)
- Semantic Skin: from flat textual content to interconnected repositories of semantic data (*Claudio Baldassarre*)

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- Combining terms and named entities for modeling domain ontologies from texts (*Nouha Omrane, Adeline Nazarenko, Sylvie Szulman*)
- KC-Viz: A Novel Approach to Visualizing and Navigating Ontologies (*Enrico Motta, Silvio Peroni, Ning Li, Mathieu D'Aquin*)
- A Model-Driven Approach for Using Templates in OWL Ontologies (*Fernando Silva Parreiras, Gerd Groener, Tobias Walter, Steffen Staab*)
- Extending Open Rating Systems for Ontology Ranking and Reuse (*Holger Lewen, Mathieu D'Aquin*)
- HyperTwitter: Collaborative Knowledge Engineering via Twitter Messages (*Martin Hepp*)
- QuiKey – an Efficient Semantic Command Line (*Heiko Haller*)
- Kali-ma: a semantic guide to browsing and accessing functionalities in plugin-based tools (*Alessandro Adamou, Valentina Presutti, Aldo Gangemi*)
- Semion: a smart triplification tool (*Andrea Giovanni Nuzzolese, Aldo Gangemi, Valentina Presutti, Paolo Ciancarini*)



Wednesday · October 13th · 2010 · Lisbon

Conference Dinner

The Conference Dinner will be Wednesday night. Details will follow ...



Thursday · October 14th · 2010 · Lisbon

09:00 – 10:00 **Invited Talk: Tom Scott**
Using Linked Data to describe the natural world
Sponsored by ISOCO S.A.

10:00 – 10:30 **Coffee Break**

Semantic Web / Web of Data / Linked Data · Chair: Chantal Reynaud

10:30 – 11:00 Epiphany: Adaptable RDFa Generation Linking the Web of Documents to the Web of Data (*Benjamin Adrian, Jörn Hees, Ivan Herman, Michael Sintek, Andreas Dengel*) · **Research full paper**

11:00 – 11:30 Scaling up Question-Answering to Linked Data (*Vanessa Lopez, Andriy Nikolov, Marta Sabou, Victoria Uren, Enrico Motta, Mathieu D'Aquin*) · **Research full paper**

11:30 – 12:00 Using Semantic Web Resources for Data Quality Management (*Christian Fürber, Martin Hepp*) · **Research full paper**

12:00 – 13:00 **Lunch Break**

Ontology Evolution / Refinement · Chair: Paul Compton

13:00 – 13:30 Using Ontological Contexts to Assess the Relevance of Statements in Ontology Evolution (*Fouad Zabith, Mathieu D'Aquin, Marta Sabou, Enrico Motta*) · **Research full paper**

13:30 – 14:00 What is concept drift and how to measure it? (*Shenghui Wang, Stefan Schlobach, Michel Klein*) · **Research full paper**

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Knowledge Access

- 14:00 – 14:30 Mobile cultural heritage guide: location-aware semantic search (*Chris Van Aart, Bob Wielinga, Willem van Hage*) · **In-use full paper**
- 14:30 – 15:00 Semantic Scout: Making Sense of Organizational Knowledge (*Claudio Baldassarre, Aldo Gangemi*) · **In-use full paper**
- 15:00 – 15:30 **Coffee Break**

Annotation / Retrieval / Natural Language Processing ·

Chair: Aldo Gangemi

- 15:30 – 16:00 Authoring Technical Documents for Effective Retrieval (*Jonathan Butters, Fabio Ciravegna*) · **Research full paper**
- 16:00 – 16:30 A Methodology towards Effective and Efficient Manual Document Annotation: Addressing Annotator Discrepancy and Annotation Quality (*Ziqi Zhang, Sam Chapman, Fabio Ciravegna*) · **Research full paper**
- 16:30 – 17:00 Towards Better Ontological Support for Recognizing Textual Entailment (*Andreas Wotzlaw*) · **Research full paper**
- 17:00 – 18:00 **Closing Ceremony**

Friday · October 15th · 2010 · Lisbon

Morning Session (09:00 – 12:00)

Workshop W4: Ontology Quality (*Nathalie Aussenac-Gilles, Jesualdo Tomás Fernández-Breis, Robert Stevens*)

Tutorial T2: Implementation of Large Scale Knowledge Infrastructures in Organizations Using Semantics (*Freek van Teeseling et al.*)

Tutorial T3: Knowledge Acquisition from Social Networking Sites (*Z. Zhang, A.E. Cano, K. Elbedweihy, A.-S. Dadzie*)

13:00 – 14:00 **Lunch Break**

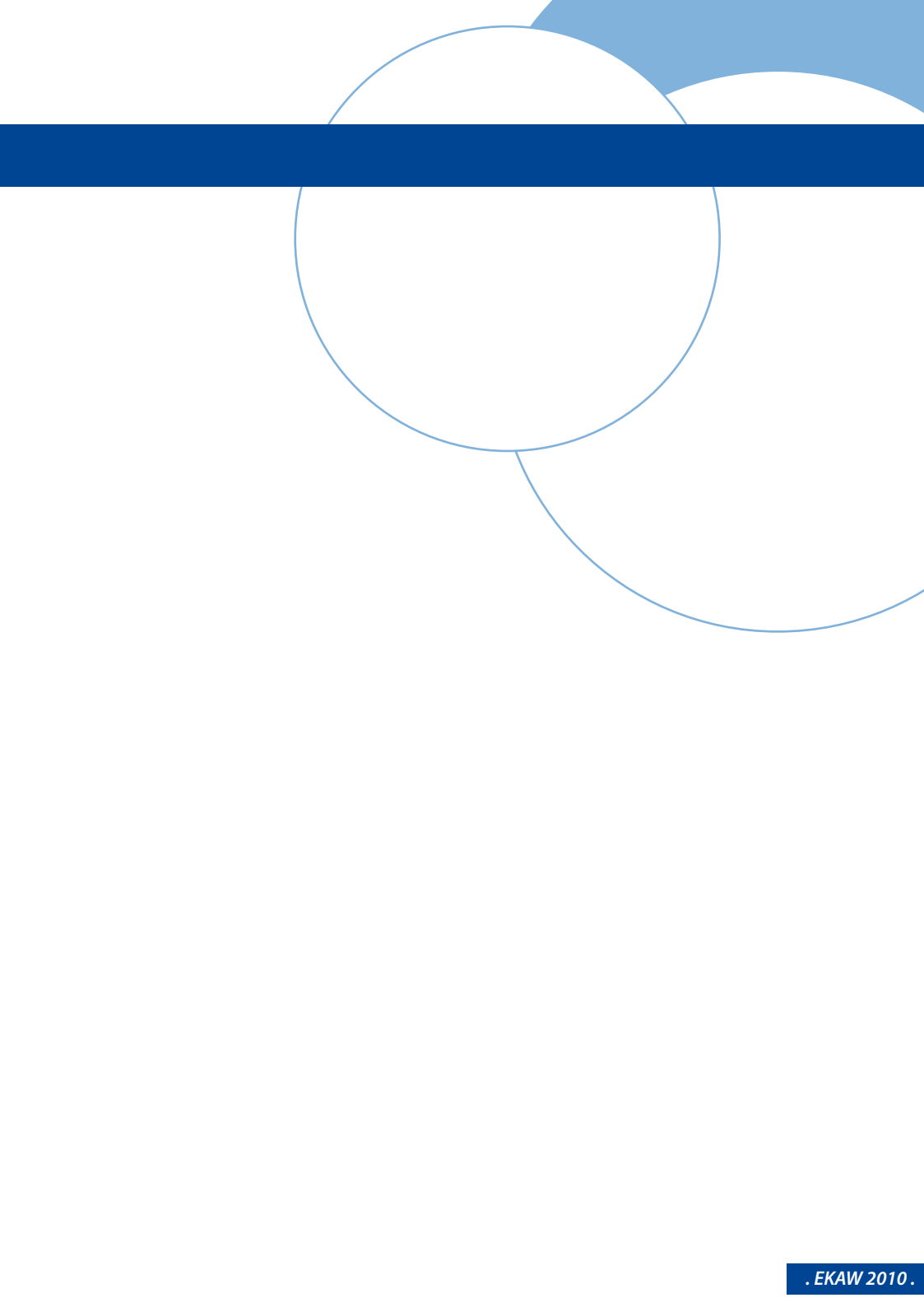
Afternoon Session (13:00 – 18:00)

Workshop W5: Knowledge Injection into and Extraction from Linked Data –KIELD– (*Valentina Presutti, Francois Scharffe, Vojtech Svatek*)

Tutorial T2: (13:00 – 14:30)
(Continued) Implementation of Large Scale Knowledge Infrastructures in Organizations Using Semantics (*Freek van Teeseling et al.*)

Tutorial T3 (15:00 – 18:00)
(Continued) Knowledge Acquisition from Social Networking Sites (*Z. Zhang, A.E. Cano, K. Elbedweihy, A.-S. Dadzie*)

Workshop W6: Reuse and Adaptation of Ontologies and Terminologies (*Natalia Grabar, Thierry Hamon and Marie Dupuch*)



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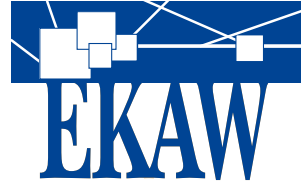
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See you in 2012.