

EKAW 2018 Conference program

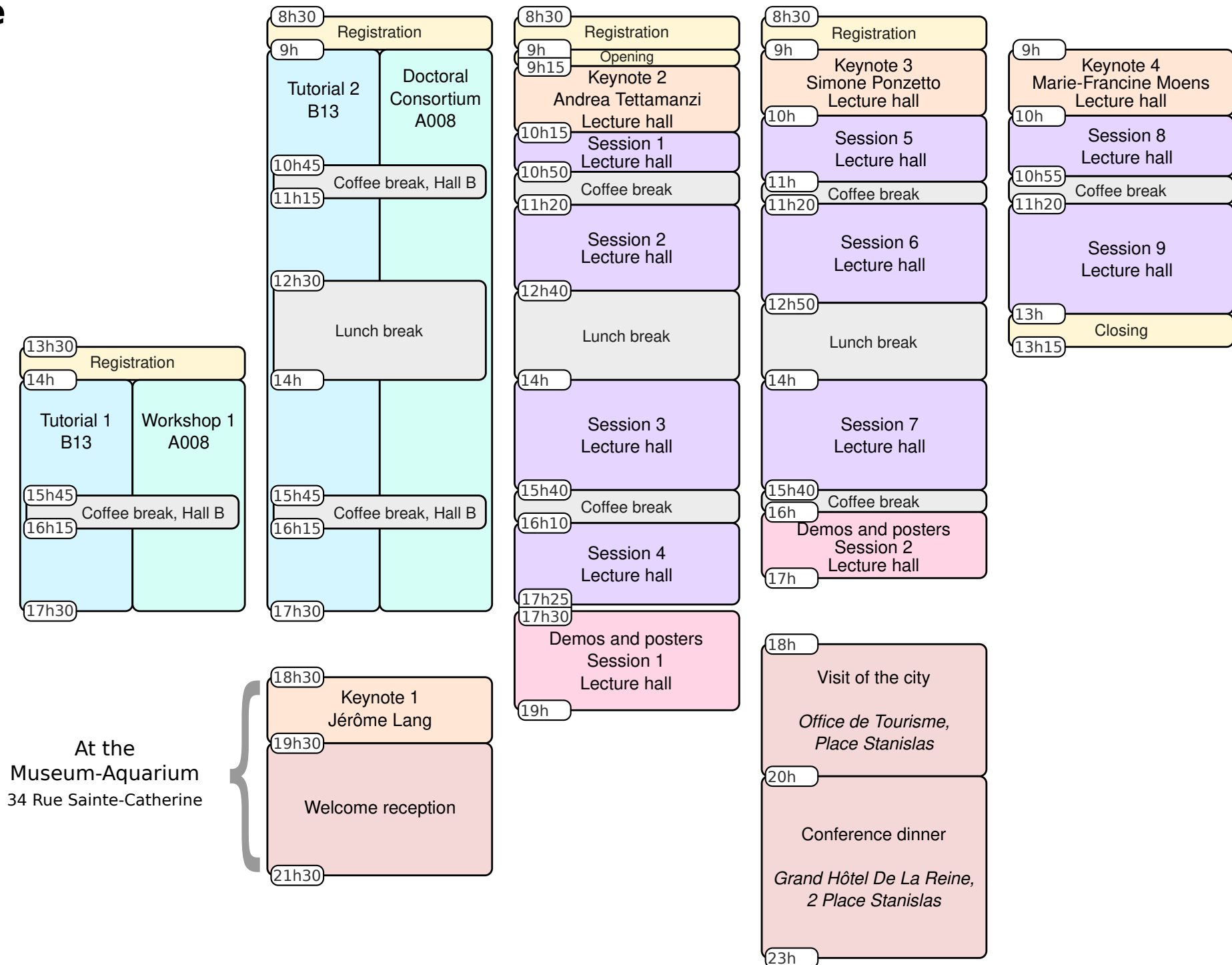
Monday 12

Tuesday 13

Wednesday 14

Thursday 15

Friday 16



Keynotes

- 1 - Jérôme Lang : Incomplete Knowledge and Collective Decision Making. *Chair: Amedeo Napoli*
- 2 - Andrea Tettamanzi : Guess What You Don't Know: Towards an Evolutionary Epistemology of Ontology Learning. *Chair: Catherine Faron Zucker*
- 3 - Simone Ponzetto : Entity-centric information access for high-end semantic applications. *Chair: Chiara Ghidini*
- 4 - Marie-Francine Moens : The Discovery of Spatial Knowledge from Images and Language. *Chair: Yannick Toussain*

Sessions

Asterisks (*) indicates short presentations

Session 1 : Alignments and Graph Partitioning

Chair: Jérôme Euzenat

- 1.1 - Adnan Akhter, Axel-Cyrille Ngonga Ngomo and Muhammad Saleem : An Empirical Evaluation of RDF Graph Partitioning Techniques
- 1.2* - Philippe Roussille, Imen Megdiche, Teste Olivier and Cassia Trojahn : Boosting Holistic Ontology Matching: an Extended Linear Approach and its Evaluation on Graph Clique-based Relaxed /Reference Alignments

Session 2 : Knowledge Engineering

Chair: Maria Keet

- 2.1 - Claudia Schon, Steffen Staab, Patricia Kügler, Philipp Kestel, Benjamin Schleich and Sandro Wartzack : Metaproperty-guided Deletion from the Instance-Level of a Knowledge Base
- 2.2 - Ankur Padia, David Martin and Peter Patel-Schneider : Automating Class / Instance Representational Choices in Knowledge Bases
- 2.3 - Alba Fernández-Izquierdo and Raúl García-Castro : Requirements behaviour analysis for ontology testing
- 2.4 - Catia Pesquita, Valentina Ivanova, Steffen Lohmann and Patrick Lambrix : A Framework to Conduct and Report on Empirical User Studies in Semantic Web

Session 3 : Network and Knowledge Graphs

Chair: Harald Sack

- 3.1 - Andreas Schmidt and Gerd Stumme : Prominence and Dominance in Networks
- 3.2 - Hajira Jabeen, Rajjat Dadwal, Gezim Sejdiu and Jens Lehmann : Numeric outlier detection in large scale knowledge graphs
- 3.3 - Al Koudous Idrissou, Frank Van Harmelen and Peter Van Den Besselaar : Network Metrics for Assessing the Quality of Entity Resolution Between Multiple Datasets
- 3.4 - Pablo Torres-Tramon and Conor Hayes : A Random Walk Model for Entity Relatedness
- 3.5 - Gengchen Mai, Krzysztof Janowicz and Bo Yan : Support and Centrality: Learning Weights for Knowledge Graph Embedding Models

Session 4 : Knowledge Discovery #1

Chair: Valentina Tamma

- 4.1 - Mariano Rico, Idafen Santana-Pérez, Pedro Pozo-Jiménez and Asunción Gómez-Pérez : Inferring New Types on Large Datasets Applying Ontology Class Hierarchy Classifiers: The DBpedia Case
- 4.2 - Nicole Merkle, Stefan Zander and Viliam Simko : A Semantic Use Case Simulation Framework for Training Machine Learning Algorithms
- 4.3 - Ahmad Alobaid and Oscar Corcho : Fuzzy Semantic Labeling of Semi-structured Numerical Data Sources
- 4.4* - Emilia Kacprzak, Jose M. Gimenez-Garcia, Alessandro Piscopo, Laura Koesten, Luis Ibanez-Gonzalez, Jeni Tennison and Elena Simperl : Making Sense of Numerical Data - Semantic Labelling of Web Tables

Session 5 : Knowledge Discovery #2

Chair: Marieke Van Erp

- 5.1 - Badre Belabess, Musab Bairat, Jeremy Lhez and Olivier Curé : Combining Machine Learning and Semantics for Anomaly Detection
- 5.2 - René Speck and Axel-Cyrille Ngonga Ngomo : On Extracting Relations using Distributional Semantics and a Tree Generalization
- 5.3 - Mouna Kamel and Cassia Trojahn : Towards Enriching DBpedia from Vertical Enumerative Structures using a Distant Learning Approach

Tutorials

- 1 - Catching up with ontological engineering: to git-commit and beyond
- 2 - Learning from knowledge graphs

Workshop

- 1 - Symbolic methods for data-interlinking

Session 6 : Applications

Chair: Maria Poveda

- 6.1 - Iker Esnaola-Gonzalez, Jesús Bermúdez, Izaskun Fernández and Aitor Arnaiz : EROSO: Semantic Technologies towards thermal comfort in workplaces
- 6.2 - Viviane Maria Lelis, Eduardo Guzmán and Maria-Victoria Belmonte : Decision Support Models to Assist in the Diagnosis of Meningitis
- 6.3 - Giuseppe Rizzo, Nicola Fanizzi, Claudia d'Amato and Floriana Esposito : A Framework for Tackling Myopia in Concept Learning on the Web of Data
- 6.4* - Najmeh Mousavi Nejad, Simon Scerri and Jens Lehmann : KniGHT: Mapping Privacy Policies to GDPR
- 6.5* - Gloria Re Calegari and Irene Celino : Interplay of Game Incentives, Player Profiles and Task Difficulty in Games with a Purpose

Session 7 : Knowledge Representation and Reasoning

Chair: TBA

- 7.1 - Maxime Clement and Ryutaro Ichise : SWRL Reasoning with Decision Tables
- 7.2 - Nicola Fanizzi, Giuseppe Rizzo, Claudia d'Amato and Floriana Esposito : DL-Foil: Class Expression Revisited
- 7.3 - Veronique Malaise, Anke Otten and Pascal Coupet : OmniScience and Extensions - Lessons Learned from Designing a Multi Domain, Multi-Use Case Knowledge Representation System
- 7.4 - Federico Croce and Maurizio Lenzerini : Explaining Query Answers in DL-Lite
- 7.5 - Diego Calvanese, Tahir Emre Kalayci, Marco Montali, Ario Santoso and Wil van der Aalst : Conceptual Schema Transformation in Ontology-based Data Access

Session 8 : Knowledge Discovery #3

Chair: TBA

- 8.1 - Marieke van Erp, Jesse de Does, Katrien Depuydt, Rob Lenders and Thomas van Goethem : Slicing and Dicing a Newspaper Corpus for Historical Ecology Research
- 8.2 - Béatrice Fuchs and Amélie Cordier : Interactive Interpretation of serial episodes
- 8.3* - Alessia Calafiore, Guido Boella and Leendert van der Torre : From Georeferenced Data to Socio-spatial Knowledge. Ontology Design Patterns to discover Domain-specific Knowledge from Crowdsourced Data

Session 9 : Queries and SPARQL

Chair: Maurizio Lenzerini

- 9.1 - Patrik Schneider, Thomas Eiter, Josiane Xavier Parreira, Lihua Zhao and Ryutaro Ichise : Deploying Spatial-Stream Query Answering to C-ITS Scenarios
- 9.2 - Weicong Ma, C. Maria Keet, Wayne Oldford, David Toman and Grant Weddell : The Utility of the Abstract Relational Model and Attribute Paths in SQL
- 9.3 - Riccardo Tommasini, Pieter Bonte, Emanuele Della Valle, Filip De Turck and Femke Ongenaë : A Query Model for Ontology-Based Event Processing over RDF Streams
- 9.4 - Peter Patel-Schneider, Axel Polleres and David Martin : Comparative Preferences in SPARQL
- 9.5 - Paul Warren and Paul Mulholland : Using SPARQL - the practitioners' viewpoint