# Wednesday, May 13

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| 08:00-09:00 | Registration |
| 09:00-09:30 | Conference opening |
| 09:30-10:30 | **Keynote,** John Favaro<br>"Strategic Research Challenges in the Internet of Things"<br>Chair: Cesar Gonzalez-Perez<br>Amphitheater |
| 10:30-11:00 | Coffee break |
| 11:00-12:30 | Session **1:** Business Processes - 1<br>Chair: Hans Weigand<br>Amphitheater |

**Specifying Business Processes with Azzurra**
Fabiano Dalpiaz, Evellin Cardoso, Giulia Canobbio, Paolo Giorgini & John Mylopoulos

**Automatic Process Model Discovery from Textual Methodologies: Applied in Archaeology**
Elena Viorica Epure, Patricia Martín-Rodilla, Charlotte Hug, Rebecca Deneckère & Camille Salinesi

**Collaborative Process Modeling with Tablets and Touch Tables - A Controlled Experiment**
Klaus Kammerer, Jens Kolb, Sebastian Ronis & Manfred Reichert

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| 11:00-12:30 | Session **2:** IS Engineering - 1<br>Chair: Irina Ryschkova<br>B1 |

**Measuring sustainability for an effective Information System audit from public organization perspective**
Alifah Aida Binti Lope Abdul Rahman, Shareeful Islam & Ameer Al-Nemrat

**Supply Chain Integration (SCI) measured from an information sharing perspective: examining its impact on business success**
Dimitrios Chatzoudes & Prodromos Chatzoglou

**Modelling language quality evaluation in model-driven information systems engineering: a roadmap** *(short paper)*
Fáber Danilo Giraldo Velásquez, Sergio España, William Joseph Giraldo Orozco & Oscar Pastor Lopez

**Quality-Based Bottom-up Design of Reference Architecture applied to Healthcare Integrated Information Systems** *(short paper)*
Francisca Losavio, Oscar Ordaz & Victor Esteller

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| 11:00-12:30 | Session **3:** Modelling & Design - 1<br>Chair: Jolita Ralyté<br>B2 |

**A GUI Modeling Language for Mobile Applications**
Sebastian Geiger, Beatriz Marín, Sergio España & Giovanni Giachetti

**What do we know about the Defect Types detected in Conceptual Models?**
Maria Fernanda Granda, Nelly Condori-Fernandez, Tanja E. J. Vos & Oscar Pastor

**Adaptive Software-based Feedback Acquisition: A Personas-based Design**
Malik Almaliki, Cornelius Ncube & Raian Ali

| 12:30-14:00 | Lunch break |
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| 14:00-15:30 | Session **4:** Information Search & Discovery - 1<br>Chair: Marko Bajec | B1 |
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**Semantically Enhanced Information Search: a Fuzzy Ontology-based**
Ghada Besbes, Hajer Baazaoui & Henda Ben Ghezela

**COnnected Keywords**
Grégory Smits, Olivier Pivert & Virginie Thion

**A Sequence-based Tree Similarity Search** *(short paper)*
Alsayed Algergawy

**A Novel Method for Automatic Discovery, Annotation and Interactive Visualization of Prominent Clusters in Mobile Subscriber Datasets** *(short paper)*
Shabana K M & Jobin Wilson

| 14:00-15:30 | Session **5:** Requirements Engineering -1<br>Chair: Xavier Franch | B2 |
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**Configuring Crowdsourcing for Requirements Elicitation** *(short paper)*
Mahmood Hosseini, Alimohammad Shahri, Keith Phalp, Jacqui Taylor, Fabiano Dalpiaz & Raian Ali

**A Goal-based Approach for Automated Specification of Information Quality Policies**
Mohamad Gharib & Paolo Giorgini.

**Towards a Model of Topic Relevance during Requirements Elicitation - Preliminary Results**
Corentin Burnay, Ivan Jureta & Stéphane Faulkner

| 14:00-15:30 | Tutorial **1** | Amphitheater |
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**The Internet of Things and Cooperative Information Systems**
Munindar P. Singh & Amit K. Chopra

| 15:30-16:00 | Coffee break |
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| 16:00-17:30 | Session **6:** Servicification<br>Chair: Charlotte Hug | B1 |
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**Accounting for Service Value – an Ontological Approach**
Hans Weigand, Paul Johannesson & Maria Bergholtz

**A Collaborative Filtering Algorithm with Clustering for Personalized Web Service Selection in Business Processes**
Dionisis Margaris, Panagiotis Georgiadis & Costas Vassilakis

**Multi-Platform Mobile Application Development Analysis** *(short paper)*
Lisandro Delia, Nicolas Galdamez, Pablo Thomas, Leonardo Corbalan & Patricia Pesado

**Opinion mining on experience feedback: A case study on smartphones reviews** *(short paper)*
Laurent Brisson & Jean-Claude Torrel

| 16:00-17:30 | Session **7:** Modelling and Design - 2<br>Chair: Bénédicte Le Grand | B2 |

**Formal Modeling for Verifying SCA Composition**
Lazhar Hamel & Mohamed Graiet

**Architecting Process Architectures: Towards a Framework of Design Dimensions** *(short paper)*
Alexei Lapouchnian, Eric Yu & Arnon Sturm

**Modeling the Multi-Instantiation in a Product Line: the Rexel Case** *(short paper)*
Raouia Triki, Camille Salinesi & Raul Mazo

**Personalization Mobile P2P Network using FCA Based Multidimensional Aggregation**
Saloua Zammali, Khedija Arour & Amel Bouzeghoub

| 16:00-17:30 | Tutorial **2** | Amphitheater |

**Meta-modeling: concepts, tools and applications**
Saïd Assar

| 19:30 | Greek Welcome Reception |

Full papers are allocated 30 minutes for presentation and discussion, while short papers are allocated 15 minutes.

# Thursday, May 14

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|---|---|
| 08:00-09:30 | Registration |
| 09:30-10:30 | **Keynote,** Bénédicte Le Grand<br>"How can data (and graph) mining techniques support research in Information Systems?"<br>Chair: Pericles Loucopoulos          Amphitheater |
| 10:30-11:00 | Coffee break |
| 10:30-12:30 | **Poster** and Demo Session          B3 |

**Traceability and Modeling of Requirements in Enterprise Architecture from a Design Rationale Perspective**
Georgios Plataniotis, Sybren de Kinderen, Qin Ma & Henderik Proper

**Requirements Elicitation Approaches: A Systematic Review**
Aldrin Fredy Jaramillo Franco

**Comparing game input modalities: A study for the evaluation of player experience by measuring emotional state and game usability**
Stavroula Bampatzia, Eftychia Roumelioti, Angeliki Antoniou, George Lepouras & Varvara Bravou

**E-Genomic Framework for delivering genomic services. An application to JABAWS.**
David Roldan Martınez, Oscar Pastor Lopez & Jose Fabian Reyes Roman

**A theoretical examination of constructs underlying Information Technology Capability**
Soerin Bipat & Lineke Sneller

**Towards a Reeingeniering of Business Process Management Lifecycle by the Use of Social Networks**
Samiha El Hamali & Latifa Mahdaoui

**Pragmatic Paradigm: The use of mixed methods in evaluating visualisation**
Azira Binti Ab Aziz, Jonathan H. Klein and Melanie J. Ashleigh

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| 11:00-12:30 | Session **8:** Strategic Management<br>Chair: Eric Dubois          Amphitheater |

**Modeling Strategic Business Plans: the Montreux Jazz Festival Case Study**
Fabiano Francesconi, John Mylopoulos & Fabiano Dalpiaz

**Business Intelligence for Business Intelligence: A case study at STMicroelectronics**
Manel Brichni, Sophie Dupuy-Chessa, Lilia Gzara, Nadine Mandran & Corinne Jeannet

**Information for decision-making is ubiquitous: revisiting the reverse engineering mode in breadmaking technology**
Rallou Thomopoulos, Ahmed Chadli, Madalina Croitoru, Joël Abécassis, Gérard Brochoire & Hubert Chiron

| 11:00-12:30 | Session **9:** IS Engineering - 2<br>Chair: Sergio Espana | B1 |

**Alignment of ReMMo with RBAC to Manage Access Rights in the Frame of Enterprise Architecture**
Christophe Feltus, Eric Dubois & Michael Petit

**Method Association Approach: A Situational Method Engineering Approach**
Rebecca Deneckere,
Charlotte Hug, Juliette Onderstal & Sjaak Brinkkemper

**A Domain-specific Language for Modeling Method Definition: from Requirements to Grammar**
Niksa Visic, Hans-Georg Fill, Robert Andrei Buchmann & Dimitris Karagiannis

| 12:30-14:00 | Lunch break |

| 14:00-16:00 | **Poster** and Demo Session | B3 |

**Towards Detecting Emotional Communities in Twitter**
Andreas Kanavos & Isidoros Perikos

**Opinion detection: influence factors**
Faiza Belbachir & Bénédicte Le Grand

**Taming News Streams with Linked Data**
Jon Espen Ingvaldsen & Jon Atle Gulla

**Online Knowledge Sharin: Investigating the Antecedents of Frequency and Intensity**
Lg Pee

**Classifying and Ranking Microblogging Hashtags with News Categories**
Shuangyong Song & Yao Meng

**Semantic User-centered Search Engine for COTS Components**
Nacim Yanes, Sihem Ben Sassi & Henda Ben Ghezela

**Music Archipelago, A Facet-like Music Library Comparison Tool**
Eric Languénou, Pascale Kuntz & Nicolas Greffard

| 14:00-15:30 | Session **10:** Modelling and Design- 3<br>Chair: Rebecca Deneckere | Amphitheater |

**Comparison of software repositories for their usability in software process reconstruction**
Marko Janković & Marko Bajec

**Evaluation of BehaviorMap: a User-Centered Behavior Language**
Fernando Wanderley, Joao Araujo & António Silva

**Revealing intricate properties of communities in the bipartite structure of online social networks** *(short paper)*
Tackx Raphaël, Guillaume  Jean-Loup & Tarissan Fabien

**Automated Refinement of Business Processes through Model Transformations Specifying Business Rules**
Roman Popp & Hermann Kaindl

| 14:00-15:30 | **Session 11:** Social Network Analysis<br>Chair: Mara Nikolaidou | B1 |
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**How do we Spread on Twitter?**
Erick Stattner, Reynald Eugenie & Martine Collard

**Ranking Educational Videos: The Impact of Social Presence**
Dimitrios Kravvaris, Katia Lida Kermanidis & Konstaninos Chorianopoulos

| 15:30-16:00 | Coffee break |
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| 16:00-17:30 | **Session 12:** Data Management - 1<br>Chair: John Favaro | Amphitheater |
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**An Analytical Model for Data Persistence in Business Data Warehouses** *(short paper)*
Veit Koeppen, Thorsten Winsemann & Gunter Saake

**Diamond multidimentional model and aggregation operators for document OLAP**
Maha Azabou, Kais Khrouf & Jamel Feki

| 16:00-17:30 | DC Session **1**<br>Chair: Cherifa Mansoura<br>Experts: Oscar Pastor, Roel Wieringa | B1 |
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**Model-Based Enterprise Information System Design: A SysML-based approach**
Anargyros Tsadimas

**Studying Social Network Sites via Computational Methods**
Tasos Spiliotopoulos

| | **Session 13:** Requirements Engineering-2<br>Chair: Hans-Georg Fill | B2 |
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**Identifying Reputable Contributors During Requirements Gathering in Collaborative Software Development Platforms**
Zeina Azmeh & Isabelle Mirbel

**Modeling Analytics as**
**Knowledge Work: Computing Meets Organizational Psychology**
Munindar P. Singh, Guangchao Yuan, Nirav Ajmeri, Pankaj Telang, Chris Allred & Mark Wilson

| 18:00 | Visit to Acropolis Museum |
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| 20:30 | Gala Dinner |

Full papers are allocated 30 minutes for presentation and discussion, while short papers are allocated 15 minutes.

# Friday, May 15

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| 08:00-09:30 | Registration |
| 09:30-10:30 | **Keynote,** Eric Dubois<br>"On the role of Architectural models: what can we learn from Information System and from Construction projects?"<br>Chair: Colette Rolland          Amphitheater |
| 10:30-11:00 | Coffee break |
| 11:00-12:30 | Session **14:** Business Processes - 2<br>Chair: Said Assar          B1 |

**Modeling Business Processes for Automated Crisis Management Support: Lessons Learned**
Elena Kushnareva, Benedicte Le Grand & Irina Rychkova

**Adaptation of Collaborative Processes using Versions and Adaptation Patterns**
Imen Bensaid, Mohamed Amine Chaabane, Eric Andonoff & Rafik Bouaziz

**Business Process Model Extension with Cost Perspective based on Process Mining**
Dhafer Thabet, Sonia Ayachi Ghannouchi & Henda Hajjami Ben Ghezala

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| 11:00-12:30 | Tutorial **3**          Amphitheater |

**Specifying Requirements through Interaction Design**
Hermann Kaindl

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| 12:30 | Best Papers Awards          Amphitheater |
| 13:00-14:00 | Lunch break |
| 14:00-15:30 | Session **15:** Information Search and Discovery - 2<br>Chair: Hermann Kaindl          B1 |

**Iterative joint extraction of entities, relationships and coreferences from text sources**
Slavko Žitnik & Marko Bajec

**Recommendations on Adapting Crowdsourcing to Problem Type**
Mahmood Hosseini, Alimohammad Shahri, Keith Phalp & Raian Ali

**Concise representation of hypergraph minimal transversals : approach and application on the dependency inference problem**
M. Nidhal Jelassi, Christine Largeron & Sadok Ben Yahia

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| 14:00-15:30 | Tutorial **4**          Amphitheater |

**Modelling and Analysis of OSS Ecosystems**
Xavier Franch, Angelo Susi & Eric S. K. Yu

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| 15:30-16:00 | Coffee break |

| 16:00-17:30 | Session **16:** Data Management - 2<br>Chair: Iraklis Varlamis | Amphitheater |
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**Document Similarity Analysis using N-grams and Singular Value Decomposition**
Ashraf Hussein

**Using Collaborative Filtering to Enhance Domain-Independent CBR Recommender's Personalization**
Jihane Karim, Raja Chiky, Matthieu Manceny & Marie-Aude Aufaure

| 16:00-17:30 | DC Session **2**<br>Chair: Cherifa Mansoura<br>Experts: Colette Rolland, Jolita Ralyte | B1 |
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**Enabling System Models Automated Evaluation through Cross-Concept Information Utilization**
George-Dimitrios Kapos

**A Goal-Oriented Approach For Dynamic Execution of Services based on Aspect-Oriented Programming**
Omnia Saidani Neffati

| 16:00-17:30 | Session **17:** Data Management - 3<br>Chair: George Dimitrakopoulos | B2 |
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**Holistic Statistical Open Data Integration Based On Integer Linear Programming**
Alain Berro, Imen Megdiche & Olivier Teste

**Benchmark for OLAP on NoSQL Technologies, Comparing NoSQL Multidimensional Data Warehousing Solutions**
Max Chevalier, Mohammed El Malki, Arlind Kopliku, Olivier Teste & Ronan Tournier

**Competitive intelligence: History, importance, objectives, process and issues** *(short paper)*
Dhekra Ben Sassi, Anissa Frini & Wahiba Ben Abdessalem

| 17:30 | Conference Closing |
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Full papers are allocated 30 minutes for presentation and discussion, while short papers are allocated 15 minutes.

# Social Events

## Greek Welcome Reception

Wednesday, May 13, 2015, 19:30

The conference reception will be held at "Axinos", a traditional Greek "ouzeri", by the sea at Piraeus. Buses will depart from Harokopio University at 19:00.

### Axinos Restaurant
51 Akti Themistokleous Street, Piraeus
www.axinos.gr

### Directions
Participants that wish to access Axinos ouzeri on their own using public transportation may take the 040 bus from El.Venizelou where Harokopio University is, and get off at the bus station "ΒΡΥΩΝΗ" (20 stops). Within a 10 min walk you should reach the "ouzeri". If you wish to take a taxi, the ride is about 20-25 min and the cost is 7-10 € depending on the traffic.

## Acropolis Museum and Gala Dinner

Thursday, May 14, 2015, 18:00 and 20:30

Conference participants may enjoy the unique experience of an Acropolis Museum Tour with an experienced tourist guide. The tour has a duration of almost 2 hours and will start at 18:00.
**Meeting point:** Museum Hall after passing the Entrance security gate.

### Acropolis Museum
15 Dionysiou Areopagitou Street, Athens
www.theacropolismuseum.gr/en

The Museum entrance is located at the beginning of the pedestrian walkway of Dionysiou Areopagitou Street in the center of Athens. For more information about directions please advise museum's site (http://www.theacropolismuseum.gr/en/content/getting-here)

Buses will depart from Harokopion University to the Acropolis Museum at 17:30.
After the tour, we will be heading to Lycabettus hill where with funiculars will access the "Orizontes" restaurant, having a panoramic view of the city of Athens. The dinner will start at 20:30.

### Orizontes Restaurant
Lycabettus: Lycabettus Hill
www.orizonteslycabettus.gr/en

### Directions
Participants, skipping Acropolis Museum tour, may either reach Orizontes Restaurant at the top of Lycabettus Hill by taxi or get the funiculars at Aristippou 1 street - Kolonaki. For conference participants caring a dinner ticket the ticket is prepaid. Cars will depart every 10 min from 20:00 until 21:00 for conference participants.