Wednesday, May 13

08:00-09:00  
Registration

09:00-09:30  
Conference opening

09:30-10:30  
**Keynote**, John Favaro  
“Strategic Research Challenges in the Internet of Things”  
Chair: Cesar Gonzalez-Perez  
Amphitheater

10:30-11:00  
Coffee break

11:00-12:30  
**Session 1:** Business Processes - 1  
Chair: Hans Weigand  
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

11:00-12:30  
**Session 2:** IS Engineering - 1  
Chair: Irina Ryschkova  
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

11:00-12:30  
**Session 3:** Modelling & Design - 1  
Chair: Jolita Ralyté  
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-Fernández, Tanja E. J. Vos & Oscar Pastor

Adaptive Software-based Feedback Acquisition: A Personas-based Design  
Malik Almaliki, Cornelius Ncube & Raian Ali
<table>
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<tr>
<th>Time</th>
<th>Session/Program</th>
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<tr>
<td>12:30-14:00</td>
<td>Lunch break</td>
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<td>14:00-15:30</td>
<td><strong>Session 4</strong>: Information Search &amp; Discovery - 1&lt;br&gt;Chair: Marko Bajec</td>
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<td><em>Semantically Enhanced Information Search: a Fuzzy Ontology-based</em>&lt;br&gt;Ghada Besbes, Hajer Baazaoui &amp; Henda Ben Ghezela</td>
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<td><em>Connected Keywords</em>&lt;br&gt;Grégory Smits, Olivier Pivert &amp; Virginie Thion</td>
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<td><strong>A Sequence-based Tree Similarity Search</strong> <em>(short paper)</em>&lt;br&gt;Alsayed Algergawy</td>
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<td><strong>A Novel Method for Automatic Discovery, Annotation and Interactive Visualization of Prominent Clusters in Mobile Subscriber Datasets</strong> <em>(short paper)</em>&lt;br&gt;Shabana K M &amp; Jobin Wilson</td>
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<td>14:00-15:30</td>
<td><strong>Session 5</strong>: Requirements Engineering -1&lt;br&gt;Chair: Xavier Franch</td>
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<td><strong>Configuring Crowdsourcing for Requirements Elicitation</strong> <em>(short paper)</em>&lt;br&gt;Mahmood Hosseini, Alimohammad Shahri, Keith Phalp, Jacqui Taylor, Fabiano Dalpiaz &amp; Raian Ali</td>
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<td><strong>Towards a Model of Topic Relevance during Requirements Elicitation - Preliminary Results</strong>&lt;br&gt;Corentin Burnay, Ivan Jureta &amp; Stéphane Faulkner</td>
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<td>14:00-15:30</td>
<td><strong>Tutorial 1</strong>&lt;br&gt;Amphitheater</td>
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<td><strong>The Internet of Things and Cooperative Information Systems</strong>&lt;br&gt;Munindar P. Singh &amp; Amit K. Chopra</td>
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<td>15:30-16:00</td>
<td>Coffee break</td>
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<td>16:00-17:30</td>
<td><strong>Session 6</strong>: Servicification&lt;br&gt;Chair: Charlotte Hug</td>
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<td><strong>Accounting for Service Value – an Ontological Approach</strong>&lt;br&gt;Hans Weigand, Paul Johannesson &amp; Maria Bergholtz</td>
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<td><strong>A Collaborative Filtering Algorithm with Clustering for Personalized Web Service Selection in Business Processes</strong>&lt;br&gt;Dionisis Margaris, Panagiotis Georgiadis &amp; Costas Vassilakis</td>
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<td><strong>Multi-Platform Mobile Application Development Analysis</strong> <em>(short paper)</em>&lt;br&gt;Lisandro Delia, Nicolas Galdamez, Pablo Thomas, Leonardo Corbalian &amp; Patricia Pesado</td>
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<td><strong>Opinion mining on experience feedback: A case study on smartphones reviews</strong> <em>(short paper)</em>&lt;br&gt;Laurent Brisson &amp; Jean-Claude Torrel</td>
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Full papers are allocated 30 minutes for presentation and discussion, while short papers are allocated 15 minutes.
Thursday, May 14

08:00-09:30  
Registration

09:30-10:30  
**Keynote**, Bénédicte Le Grand  
“How can data (and graph) mining techniques support research in Information Systems?”  
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, Efthymia Roumeioti, Angeliki Antoniou, George Lepouras & Varvara Bravou

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

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

Towards a Reengineering 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

11:00-12:30  
Session 8: Strategic Management  
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
Session 9: IS Engineering - 2  
Chair: Sergio Espana  
B1

Alignment of ReMMe 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

Lunch break

Session 10: Modelling and Design- 3  
Chair: Rebecca Deneckere  
Amphitheater

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 Sharing: 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

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  
Chair: Mara Nikolaidou  
B1  
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 & Konstantinos Chorianopoulos

15:30-16:00  
Coffee break

16:00-17:30  
Session 12: Data Management - 1  
Chair: John Favaro  
Amphitheater  
An Analytical Model for Data Persistence in Business Data Warehouses  
Veit Koeppen, Thorsten Winsemann & Gunter Saake  
Diamond multidimensional model and aggregation operators for document OLAP  
Maha Azabou, Kais Khrouf & Jamel Feki

16:00-17:30  
DC Session 1  
Chair: Cherifa Mansoura  
Experts: Oscar Pastor, Roel Wieringa  
Model-Based Enterprise Information System Design: A SysML-based approach  
Anargyros Tsadimas  
Studying Social Network Sites via Computational Methods  
Tasos Spiliotopoulos

18:00  
Visit to Acropolis Museum

20:30  
Gala Dinner
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| 09:30-10:30| **Keynote, Eric Dubois**    
“On the role of Architectural models: what can we learn from Information System and from Construction projects?”  
Chair: Colette Rolland  
Amphitheater |
| 10:30-11:00| Coffee break                                                          |
| 11:00-12:30| **Session 14: Business Processes - 2**  
Chair: Said Assar  
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 |
| 11:00-12:30| **Tutorial 3**  
Specifying Requirements through Interaction Design  
Hermann Kaindl |
| 12:30      | Best Papers Awards                                                    |
| 13:00-14:00| Lunch break                                                          |
| 14:00-15:30| **Session 15: Information Search and Discovery - 2**  
Chair: Hermann Kaindl  
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 |
| 14:00-15:30| **Tutorial 4**  
Modelling and Analysis of OSS Ecosystems  
Xavier Franch, Angelo Susi & Eric S. K. Yu |
| 15:30-16:00| Coffee break                                                          |
Session 16: Data Management - 2  
Chair: Iraklis Varlamis  
Amphitheater

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

Session 17: Data Management - 3  
Chair: George Dimitrakopoulos  
B2

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

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