



IEEE RCIS 2014

IEEE 8th International Conference on
Research Challenges in Information
Science

May 28-30 2014, Marrakesh, Morocco

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Challenges in Information Science

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IEEE
Morocco Section



Welcome

RCIS 2014 is a conference of RCIS CONFERENCE SERIES and is sponsored by IEEE Morocco Section and by the EMSI school of engineers.

The Eight International Conference on Research Challenges in Information Science (RCIS) aims at providing an international forum for scientists, researchers, engineers and developers from a wide range of information science areas to exchange ideas and approaches in this evolving field. While presenting research findings and state-of-art solutions, you are invited to share experiences on new research challenges and especially for this 2014 edition on **Social Network Analysis**.

We are glad to welcoming you to Marrakesh. We hope you will enjoy this conference and benefit from the scientific program but also from sharing your experiences with colleagues from all around the world.

Marrakesh, May 28th 2014

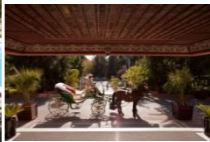
Martine Collard (General Chair)
Rébecca Deneckère (Program Chair)
Marko Bajec (Program Chair)

Conference venue

Kenzi Farah Hotel A Peaceful Haven in Mystic Marrakech

A classic venue, typical of the Imperial City, a haven of peace set like a gem in a 3 hectares' private splendid park of luxuriant greenery and dappling hues and vivid colors, the mythical, iconic **KENZI FARAH HOTEL** is located in the very heart of the prime, trendy, cosmopolitan district "L'Hivernage".

Completely renovated in 2011 and thanks to its privileged location, the **KENZI FARAH HOTEL** symbolizes and strikes the perfect balance between business and leisure.



Social events

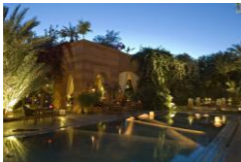
Welcome reception

Welcome reception will be held on Wednesday 28th May at 7:00pm at the **Kenzi Farah Hotel**.



Conference dinner

Conference dinner will be held at the **Dar RHIZLANE palace** on Thursday 29th at 7:30pm. Dar RHIZLANE is a palace with an immense charm.



Keynote speakers



Prof. Oscar Pastor

Universitat Politècnica de València, Spain

Understanding the Human Genome: an Information Systems-based perspective



Prof. Vincent Blondel

University of Louvain, Belgium

Communities and Dynamics in Social and Mobile Phone Networks



Dr. Howard Moskowitz

i-Novation Inc., USA

Mind Genomics® - The Granular Science of the Everyday

Program at-a-Glance

Wednesday, May 28, 2014

08:00 - 09:00	Registration		
09:00 - 09:30	Conference opening		
09:30 - 10:30	Keynote, Oscar Pastor Understanding the Human Genome: an Information Systems-based perspective Chair: Rebecca Deneckère		
10:30 - 11:00	Coffee break		
11:00 - 12:30	Session 1 Social Network Analysis - 1 Chair: Mara Nikolaidou	Session 2 IS Engineering - 1 Chair: Charlotte Hug	DC Session 1 Recommendation and Business Processes Chairs: B. Le Grand & J. Guillaume
12:30 - 14:30	Lunch break		
14:30 - 16:00	Session 3 Social Network Analysis - 2 Chair: Oscar Pastor	Session 4 Requirements Engineering - 1 Chair: Colette Rolland	
16:00 - 16:30	Coffee break		
16:30 - 18:00	Session 5 Business Processes Chair: Mohamed Boukhebouze	Session 6 Risk Management Chair: Nan Jiang	Tutorial 1 Social Network Analysis Bénédicte Le Grand
	Welcome reception (19:00)		

Program at-a-Glance

Thursday, May 29, 2014

08:00 - 09:00	Registration		
09:00 - 09:30			
09:30 - 10:30	Keynote, Vincent Blondel Communities and Dynamics in Social and Mobile Phone Networks Chair: Martine Collard		
10:30 - 11:00	Coffee break		Poster and Demo Session
11:00 - 12:30	Session 7 Social Network Analysis - 3 Chair: Mads Nygård	Session 8 Human Computer Interaction Chair: David Sundaram and Gabrielle Peko	
12:30 - 14:30	Lunch break		
14:30 - 16:00	Session 9 IS Engineering - 2 Chair: Raphael Fournier	Session 10 Requirements Engineering - 2 Chair: Salid Assar	Chairs: Sergio España and Dejan Lavbič
16:00 - 16:30	Coffee break		
16:30 - 18:00	Session 11 User-Centered Approaches - 1 Chair: Patricia Martín-Rodilla	Session 12 Services - 1 Chair: Andrea Delgado	Tutorial 2 Industrial Evaluation of Software Engineering Tools Tanja Vos and Nelly Condori-Fernandez
Gala dinner (19:30)			

Program at-a-Glance

Friday, May 30, 2014

08:00 - 09:00	Registration		
09:00 - 09:30			
09:30 - 10:30	Keynote, Howard Moskowitz Mind Genomics® The Granular Science of the Everyday Chair: Marko Bajec		
10:30 - 11:00	Coffee break		
11:00 - 12:30	Session 13 Social Network Analysis - 4 Chair: Jean-Loup Guillaume MOSAIC Project Chair: Wilfried Segreter	Session 14 Information Search and Discovery Chair: Dejan Lavbič	DC Session 2 Software Product Lines Chairs: B. Le Grand & TBA
	Best Papers Awards (12:30)		
12:30 - 14:30	Lunch break		
14:30 - 16:00	Session 15 IS Engineering - 3 Chair: Andre Flory	Session 16 Modeling and Design Chair: Martin Schaller	Tutorial 3 Demystifying Requirements Engineering... Cherifa Mansoura
	Coffee break		
16:30 - 18:00	Session 17 User-Centered Approaches - 2 Chair: Ignacio Panach Navarrete	Session 18 Services - 2 Chair: Selmin Nurcan	
	Conference closing (17:30)		

Wednesday, May 28, Morning

08:00 – 09:00	Registration – RCIS Desk
09:00 – 09:30	Conference opening – Room Atlas 3
09:30 – 10:30	Keynote talk – Room Atlas 3 Oscar Pastor, Universitat Politècnica de València, Spain Understanding the Human Genome: an Information Systems-based perspective Chair: Rebecca Deneckère
10:30 – 11:00	Coffee break
11:00 – 12:30	Session 1: Social Network Analysis 1 – Room Atlas 3 Chair: Mara Nikolaidou
11:00 – 11:30	Christina Manteli, Bart van den Hooff, Hans van Vliet and Wilco van Duinkerken, Overcoming challenges in Global Software Development: The role of Brokers
11:30 – 12:00	Taoufiq Dkaki and Josiane Mothe, An energy-based model to optimize cluster visualization
12:00 – 12:30	Maha Ben Kraiem, Jamel Feki, Kais Khrouf, Franck Ravat and Olivier Teste, OLAP of the tweets: From modeling to exploitation
11:00 – 12:15	Session 2: Information System Engineering 1 – Room Atlas 1 Chair: Charlotte Hug
11:00 – 11:30	Fáber Danilo Giraldo Velásquez, Sergio España and Oscar Pastor, Analysing the concept of quality in model-driven engineering literature: a systematic review
11:30 – 12:00	Frank Philip Seth, Ossi Taipale and Kari Smolander, Organizational and Customer related Challenges of Software Testing: An Empirical Study in 11 Software Companies
12:00 – 12:15	Saïd Assar and Redouane El Amrani, A preliminary analysis of theorizing effort in ERP research (short paper)
11:00 – 12:20	DC Session 1: Recommendation and Business Processes - Room Tichka Chairs: Benedicte Le Grand and Jean-Loup Guillaume Mentors: Oscar Pastor, Selmin Nurcan, Martine Collard, Roel Wieringa, and Jean-Loup Guillaume
11:00 – 11:20	Jihane Karim, Hybrid System for Personalized Recommendations
11:20 – 11:40	Radhouane Ben Neji Jrad, A Roadmap for Upgrading Unupgradable Legacy Processes in Inter-Organizational Middleware Systems
11:40 – 12:00	Elena Kushnareva, Intelligent Systems for Users' Automated Guidance
12:00 – 12:20	Johannes Holvitie, Software Implementation Knowledge Management with Technical Debt and Network Analysis
12:30 – 14:30	Lunch break

Wednesday, May 28. Afternoon

14:30 – 15:45	Session 3: Social Network Analysis 2 - Room Atlas 1 Chair: Oscar Pastor
14:30 – 15:00	Alice Albano, Jean-Loup Guillaume and Benedicte Le Grand, On the use of intrinsic time scale for dynamic community detection and visualization in social networks
15:00 – 15:30	Ourania Hatzi, Giannis Meletakis, Mara Nikolaidou and Dimosthenis Anagnostopoulos, Collaborative management of applications in enterprise social networks
15:30 – 15:45	Raphael Fournier and Maximilien Danisch, Mining bipartite graphs to improve semantic pedophile activity detection (short paper)
14:30 – 16:00	Session 4: Requirements Engineering 1 - Room Atlas 3 Chair: Colette Rolland
14:30 – 15:00	Jennifer Horkoff, Tong Li, Feng-Lin Li, João Pimentel, Mattia Salnitri, Evellin Cardoso, Paolo Giorgini and John Mylopoulos, Taking Goal Models Downstream: A Systematic Roadmap
15:00 – 15:30	Fatma Basak Aydemir, Fabiano Dalpiaz, Paolo Giorgini and John Mylopoulos, Exploring Alternative Designs of Sociotechnical Systems
15:30 – 16:00	Raian Ali, Nan Jiang, Sheridan Jeary and Keith Halp, Consideration in Software-mediated Social Interaction
16:00 – 16:30	Coffee break
16:30 – 18:00	Session 5: Business Processes – Room Atlas 1 Chair: Mohamed Boukhebouze
16:30 – 17:00	Markus Hipp, Bela Mutschler, Bernd Michelberger and Manfred Reichert, Navigating in Process Model Repositories and Enterprise Process Information
17:00 – 17:30	Ghazaleh Khodabandelou, Charlotte Hug and Camille Salinesi, A Novel Approach to Process Mining: Intentional Process Models Discovery
17:30 – 17:45	Andrea Delgado, Adriana Marotta and Laura González, Towards the construction of Quality-aware Web Warehouses with BPMN 2.0 Business Processes (short paper)
17:45 – 18:00	Maryam Radgui, Rajaa Saidi and Salma Mouline, Business models alignment with reuse approach (short paper)
16:30 – 17:45	Session 6: Risk Management – Room Tichka Chair: Nan Jiang
16:30 – 17:00	Tomas Sochor, Overview of SPAM Elimination and its Efficiency
17:00 – 17:30	Amina Saâdaoui, Nihel Ben Youssef Ben Souayah and Adel Bouhoula, Formal approach for managing firewall misconfigurations
17:30 – 17:45	Diana Marosin, Sérgio Sousa and Dirk van der Linden, A Collaborative Risk Management Framework for Enterprise Architecture (short paper)
16:30 – 18:00	Tutorial 1: Social Network Analysis – Room Atlas 3 Presenter: Bénédicte Le Grand
19 :00	Welcome reception – Kenzi Farah Hotel

Thursday, May 29, Morning

08:00 – 09:30	Registration – RCIS Desk
09:30 – 10:30	Keynote talk – Room Atlas 3 Vincent Blondel, University of Louvain, Belgium Communities and dynamics in social and mobile phone networks Chair: Martine Collard
10:30 – 11:00	Coffee break
10:30 – 16:30	Poster and Demo Session – In the Garden Chairs: Sergio España and Dejan Lavbič Philippe Collard and Wilfried Segretier, How can imitation counterbalance innovation? An ABM Bass model for competing products Sana Mallouli and Saïd Assar and Carine Souveyet, Process behavior meta-modeling for the derivation of execution engines Najd Ouhajjou and Wolfgang Loibl and Peter Palensky and Amin Anjomshoaa and Stefan Fenz and A Min Tjoa, Robustness Against Data Availability Problems in Urban Energy Planning Support Software Georgios Plataniotis and Sybren de Kinderen and Henderik Proper, A Computational Approach for Design Rationalization in Enterprise Architecture Chahrazed Bouhini and Mathias Géry and Christine Largeron, Integrating user's profile in the query model for Social Information Retrieval
11:00 – 12:15	Session 7: Social Network Analysis 3 - Room Atlas 3 Chair: Mads Nygård
11:00 – 11:30	Nathaniel Moseley, Cecilia Ovesdotter Alm and Manjeet Rege, User-Annotated Microtext Data for Modeling and Analyzing Users' Sociolinguistic Characteristics and Age Grading
11:30 – 12:00	Rocío Abascal Mena, Rose Lema and Florence Sèdes, From Tweet to Graph: Social Network Analysis for Semantic Information Extraction
12:00 – 12:15	Mamadou Diaby and Emmanuel Viennet, Taxonomy-based Job Recommender Systems On Facebook and LinkedIn (short paper)
11:00 – 12:30	Session 8: Human Computer Interaction - Room Atlas 1 Chair: David Sundaram and Gabrielle Peko
11:00 – 11:30	Patricia Martin-Rodilla, José Ignacio Panach and Oscar Pastor, User Interface Patterns for Rich Applications in the Context of Cultural Heritage Data
11:30 – 12:00	Mathieu Zen and Jean Vanderdonckt, Towards an Evaluation of Graphical User Interfaces based on Metrics
12:00 – 12:30	Sebastian Bauersfeld, Antonio de Rojas and Tanja E. J. Vos, Evaluating Rogue User Testing in Industry: an experience report
12:30 – 14:30	Lunch break

Thursday, May 29. Afternoon

14:30 – 15:45	Session 9: Information System Engineering 2 – Room Atlas 3 Chair: Raphael Fournier
14:30 – 15:00	Ayse Tosun Misirli, June Verner, Jouni Markkula and Markku Oivo, A Survey on Project Factors that Motivate Finnish Software Engineers
15:00 – 15:30	Radhouane Ben Neji Jrad, M Daud Ahmed and David Sundaram, Insider Action Design Research - A Multi-Methodological Information Systems Research Approach
15:30 – 15:45	Zornitza Bakalova, Maya Daneva and Tuan Nguen, Standards compliance helps value creation in agile projects (short paper)
14:30 – 16:00	Session 10: Requirements Engineering 2 – Room Atlas 1 Chair: Saïd Assar
14:30 – 15:00	Mahsa Hasani Sadi and Eric Yu, Analyzing the Evolution of Software Development: From Creative Chaos to Software Ecosystems
15:00 – 15:30	Mohamed Boukhebouze, Ravi Ramdoyal, Dimitri Diakodimitris, Ugo Sangiorgi, Mathieu Zen and Jean Vanderdonckt, QualiHM: A Requirement Engineering Toolkit for Efficient User Interface Design
15:30 – 15:45	Zeina Azmeh, Isabelle Mirbel and Laila El Jiani, A tool to improve requirements review in collaborative software development platforms (short paper)
15:45 – 16:00	Abdelhadi Bouain, Abdelaziz El Fazziki and Mohammed Sadgal, Integration of non-functional requirements in a service-oriented and model-driven approach (short paper)
16:00 – 16:30	Coffee break
16:30 – 17:45	Session 11: User-Centered Approaches 1 - Room Atlas 1 Chair: Patricia Martin-Rodilla
16:30 – 17:00	Aurélien Faravelon and Eric Céret, Privacy Conscious Web Apps Composition
17:00 – 17:30	Salma Najjar, Manuele Kirsch Pinheiro, Bénédicte Le Grand and Carine Souveyet, A user-centric vision of service-oriented Pervasive Information Systems
17:30 – 17:45	Andrew Eberhard, Khushbu Tilwawala, Gabrielle Peko and David Sundaram, Engaging a Class of 2200 Digital Natives: A Blended Approach (short paper)
16:30 – 17:45	Session 12: Services 1 – Room Tichka Chair: Andrea Delgado
16:30 – 17:00	Vladimir Kudelas, Marek Polák, Martin Necaský and Irena Holubova, Adapting Service Interfaces when Business Processes Evolve
17:00 – 17:30	David Roldán Martínez, Óscar Pastor López and Mercedes Fernández, An integration architecture framework for e-genomics services
17:30 – 17:45	Marc Oriol, Oscar Franco-Bedoya, Xavier Franch and Jordi Marco, Assessing Open Source Communities' Health using Service Oriented Computing Concepts (short paper)

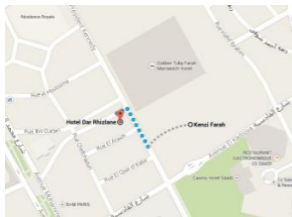
16:30 – 18:00

**Tutorial 2: Industrial Evaluation of Software Engineering Tools –
Room Atlas 3**

Presenter: Tanja Vos and Nelly Condori-Fernandez

19:30

Gala dinner



Friday, May 30, Morning

08:00 – 09:30	Registration – RCIS Desk
09:30 – 10:30	Keynote talk – Room Atlas 3 Howard Moskowitz, i-Novation Inc., USA, Mind Genomics® – The Granular Science of the Everyday Chair: Marko Bajec
10:30 – 11:00	Coffee break
11:00 – 12:00	Session 13: Social Network Analysis 4 – Room Atlas 3 Chair: Jean-Loup Guillaume
11:00 – 11:30	Erick Stattner, Link Formation in a Telecommunication Network
11:30 – 12:00	Manel Mezghani, Corinne Zayani, Ikram Amous, André Peninou and Florence Sedes, Dynamic Enrichment of Social Users' Interests
12:00 – 12:30	MOSAIC Project – Room Atlas 3 Cooperation and Networking between Europe and Mediterranean Partners to build Opportunities around Information and Communication Technologies (ICT) Presented by Abdellah Idrissi Chair: Wilfried Segretier
11:00 – 12:15	Session 14: Information Search and Discovery – Room Atlas 1 Chair: Dejan Lavbic
11:00 – 11:30	Manar Abourezq and Abdellah Idrissi, Introduction of an outranking method in the Cloud Computing Research and Selection System based on the Skyline
11:30 – 12:00	Claudio Gutiérrez-Soto and Gilles Hubert, Randomized Algorithm for Information Retrieval Using Past Search Results
12:00 – 12:15	Veit Koeppen, Martin Schäler and Reimar Schröter, Toward Variability Management to Tailor High Dimensional Index Implementations (short paper)
11:00 – 12:30	DC Session 2: Software Product Lines – Room Tichka Chairs: Benedicte Le Grand Mentors: Oscar Pastor, Selmin Nurcan, Martine Collard, Roel Wieringa, and Jean-Loup Guillaume
11:00 – 11:30	Anissa Benlarabi, Towards a co-evolution model for software product lines based on Cladistics
11:30 – 12:00	Fatima Zahra Hammani, Survey of Non-Functional Requirements Modeling and Verification of Software Product Lines
12:00 – 12:30	Ikram Dehmouch, Towards an Agile Feature Composition for a Large Scale Software Product Lines
12:30 – 13:00	Best Papers Awards – Room Atlas 3
13:00-14:30	Lunch break

Friday, May 30. Afternoon

14:30 – 16:00	Session 15: Information System Engineering 3 – Room Atlas 1 Chair: Andre Flory
14:30 – 15:00	Louis Forite and Charlotte Hug, FASMM: Fast and Accessible Software Migration Method
15:00 – 15:30	Wolfgang A. Molnar and Janne J. Korhonen, Research Paradigms and Topics in Enterprise Engineering: Analysis of recent conferences and workshops
15:30 – 16:00	Mahmood Hosseini, Keith Phalp, Jacqui Taylor and Raian Ali, The Four Pillars of Crowdsourcing: A Reference Model
14:30 – 16:00	Session 16: Modeling and Design – Room Tichka Chair: Martin Schäler
14:30 – 15:00	Patricia Martin-Rodilla and Cesar Gonzalez-Perez, An ISO/IEC 24744-Derived Modelling Language for Discourse Analysis
15:00 – 15:30	Mahmoud El Hamlaoui, Sophie Ebersold, Adil Anwar, Bernard Coulette and Mahmoud Nassar, Heterogeneous models matching for consistency management
15:30 – 16:00	Youness Laghouaouta, Adil Anwar, Mahmoud Nassar and Jean-Michel Bruel, On the Use of Graph Transformations for Model Composition Traceability
14:30 – 16:00	Tutorial 3: Demystifying Requirements Engineering practices in an agile environment; A pragmatic approach – Room Atlas 3 Presenter: Cherifa Mansoura
16:00 – 16:30	Coffee break
16:30 – 17:30	Session 17: User-Centered Approaches 2 – Room Atlas 1 Chair: Ignacio Panach Navarrete
16:30 – 17:00	Malik Almaliki, Cornelius Ncube and Raian Ali, The Design of Adaptive Acquisition of Users Feedback: an Empirical Study
17:00 – 17:30	Manel Bricni, Sophie Dupuy-Chessa, Lilia Gzara and Corinne Jeannet, A user centred approach to represent expert knowledge: A case study at STMicroelectronics A
16:30 – 17:30	Session 18: Services 2 – Room Atlas 3 Chair: Selmin Nurcan
16:30 – 17:00	Andreas Lübcke, Martin Schäler, Veit Köppen and Gunter Saake, Relational On Demand Data Management for IT-Services
17:00 – 17:30	Oscar Cabrera, Xavier Franch and Jordi Marco, A Context Ontology for Service Provisioning and Consumption
17:30	Conference closing

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