7th International Conference on Research Challenges in Information Science

RCIS 2013

May 29-31, 2013, Paris, France

PROGRAMME
WELCOME

RCIS 2013 is a conference of RCIS CONFERENCE SERIES and is sponsored by IEEE French Section and IEEE French CS Joint Chapter.

The Seventh 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 especially invited to share experiences on new research challenges.

We are glad to welcoming you to Paris. 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.

Paris, May 29th 2013

Colette Rolland (General Chair)
Roel Wieringa (Program Chair)
Selmin Nurcan (Program Chair)

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Keynote Speakers

John MYLOPOULOS, University of Trento, Italy
Requirements Models at Design- and Runtime

Wil VAN DER AALST, Technische Universiteit Eindhoven, The Netherlands
Mediating Between Modeled and Observed Behavior: The Quest for the "Right" Process

Klaus POHL, University of Duisburg-Essen, Germany
Internet of Services and Internet of Things: Challenges for Information Systems Engineering and Operation

Tutorials

Tutorial 1: Software Requirement Patterns
Xavier Franch, Universitat Politècnica de Catalunya, Spain

Tutorial 2: Improvise your User Stories: Running a Creative co-Design Session
Martin Mahaux, Patrick Heymans, PReCISE Research Centre University of Namur, Belgium

Tutorial 3: Focus Groups: Getting Practitioners Involved in Your Empirical Software Engineering/IS Research
Maya Daneva, University of Twente, Netherlands

Tutorial 4: Test automation with models
Marc-Florian Wendland, Ina Schieferdecker, Fraunhofer FOKUS, Germany

Tutorial 5: Cloud Computing
Dan C. Marinescu, University of Central Florida, Orlando, USA

Tutorial 6: Business Intelligence: A Discussion on Platforms, Technologies, and Solutions,
Noushin Ashrafi, Jean-Pierre Kailboer, University of Massachusetts Boston, USA

SOCIAL EVENTS

Welcome reception

The welcome reception will be held at the Palais du Luxembourg on May 29th.

The Palais du Luxembourg was built in the early 1600s for Marie de Medici, King Louis XIII’s mother. Although virtually nothing of the original interior remains intact today, the exterior is largely as it was when it first built. The palace actually served as the precursor to the Louvre Museum in the mid-18th century before being used for a short time during the French Revolution as a prison. Napoleon later called it home, and it was during this time that the Palais du Luxembourg first became the place where the French Senate met.

The Palais du Luxembourg is situated on the Luxembourg gardens, which may well be one of the most successful parks in the world, partly because it is so well integrated into the fabric of the city around it, which makes it easily accessible. There are also many things to do there, evidenced by the wide range of people who use it: children, older people, Sorbonne students, people cutting through on a lunch break, RCIS 2013 conference participants enjoying Paris, etc. People come to stroll, play chess, to sit and read, people watch, to sit at one of the cafés or to bring their children or grandchildren to one of the many attractions for kids. Organized activities at the park include tennis, pony rides, puppet theatres, and toy sailboat rental (children float them in the large central fountain).

Due to the presence of the French senate in the Palais du Luxembourg, there will be some security procedure to access the building. Please remember to bring your passport or any other identity document in order to have access to the welcome reception.
Gala dinner

The conference dinner will be held in the famous restaurant "Le train bleu" situated in the "Gare de Lyon" on May 30th.

“La Gare de Lyon” in Paris was built as part of the major building programme launched for the Paris Exhibition of 1900. The facade of the old station building bears some of the features of the style of the “Belle Epoque”, but the most striking manifestation of that period has been preserved inside the building in the dining rooms of the Buffet. The decor of the station buffet, with its large ornate rooms, its many sculptures and gigantic paintings, is almost overwhelming, but the overall effect is a harmonious tribute to the distinctive style of the “Belle Epoque” period. The buffet has then been named after the famous train line going from Calais (connecting France to Great Britain) to the Méditeranée and nicknamed “Train bleu”, due to its dark blue sleeping cars. It was opened in 1901 and was reputedly created to provide a comfortable place in which ‘the English’ could wait for their train. Its undoubted magnificence is the absolutely extravagant decor and 41 painted frescos on the walls and ceiling, detailing a scene from the railway networks or famous events from the 1900’s.

RCIS 2013 PROGRAMME

Wednesday, 29 May 2013
7:30-8:30 Registration
8:30-9:00 Conference Opening

9:00-10:00
Keynote Talk – Requirements Models at Design- and Runtime
John MYLOPOULOS, University of Trento, Italy
Chair: Colette Rolland
Room: Richelieu
10:00-10:30 Coffee Break

10:30-12:30
Session 1: Requirements Engineering (1)
Chair: Régine Laleau
Room: Richelieu
- Towards a Proposal to Capture Usability Requirements Through Guidelines, Yeshica Isela Ormeño, Jose Ignacio Panach Navarrete, Nelly Condori Fernández and Oscar Pastor López.
- Handling Requirements Dependencies in Agile Projects: A Focus Group with Agile Software Development Practitioners, Alias Martakis and Maya Daneva.
- Goal Formalization and Classification for Requirements Engineering Fifteen Years Later, Nicolas Prat.

10:30-12:30
Session 2: Models & Model Driven Engineering
Chair: Mireille Blay-Fornarino
Room: Descartes
- Pattern Based Methodology for UML profiles Evolution Management, Fadol Lakhal, Hubert Dubois and Dominique Rieu.
- Supporting organisational evolution by means of model-driven reengineering frameworks, Marcela Ruiz, Sergio España, Oscar Pastor Lopez and Arturo González.
- M2Flex: a process metamodel for flexibility at runtime, Eric Ceret, Sophie Dupuy-Chessa and Gaelle Calvary.
- Model Driven Development of a Generic Data Control Engine: an Industrial Experience (S), Olivier Rosec.
- Modelling Temporality and Subjectivity in ConML (S), César González-Pérez.
12:30–14:30 Lunch

14:30–16:00 Session 3: Business Intelligence & Decision Support
Chair: Nicolas Prat
Room: Turgot

- Adapting to Uncertain and Evolving Enterprise Requirements: The case of business-driven business intelligence, Eric Yu, Alexei Lapouchkian and Stephanie Deng.
- Business Alignment-Based Data Warehousing Physical Design Driven by Models, Jacques Simonin and Sébastien Bigaret.

14:30–16:00 DC Session 1: Methods
Mentors: Jolita Ralyté (moderator), John Mylopoulos, Oscar Pastor
Room: Bachelard

- The efficiency of strategic alignment - Determining the level of efficiency of the alignment of information systems with corporate strategy, Laure Jeannerot.
- Semi-automatic improvement of software development methods, Marko Janković.
- A process framework for managing implicit requirements using analogy based reasoning, Onyeka Emo.

14:30–16:00 Tutorial 1: Software Requirement Patterns, Xavier Franch
Room: Guizot

16:00-16:30 Coffee Break

16:30–18:30 Session 5: Ontologies and Data
Chair: Oscar Pastor
Room: Guizot

- Be Careful When Designing Semantic Databases: Data and Concepts Redundancy, Chedlia Chakroun, Ladjel Bellatreche, Yamine Ait Ameur, Nabila Berkani and Stéphane Jean.
- Ontology Enhanced Mining of Multidimensional Association Rules from Data Warehouses, Hanen Brahmi and Sadok Ben Yahia.

16:30–18:30 Tutorial 2: Improvise your User Stories: Running a Creative co-Design Session, Martin Mahaux, Patrick Heymans
Room: D617

19:30 Welcome Reception

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Thursday, 30 May 2013
8:00-9:00 Registration

9:00-10:00 Keynote Talk – Mediating Between Modeled and Observed Behavior: The Quest for the "Right" Process
Wil VAN DER AALST, Technische Universiteit Eindhoven, The Netherlands
Chair: Selmin Nurcan
Room: Richelieu

10:00-10:30 Coffee Break
10:30-12:30
Session 6: User centered approaches (1)
Chair: Sophie Chesna-Dupuy
Room: Richelieu
- Monitoring User-System Interactions through Graph-Based Intrinsic Dynamics Analysis, Sébastien Heymann and Bénédicte Le Grand.
- Re-Engineering Graphical User Interfaces from their Resource Files with UsiResourcer, Oscar Sanchez, Jean Vanderdonckt and Jesus Garcia Molina.
- Formalizing an empirical model: a way to enhance the communication between users and designers, Pierre-Emmanuel Arduin, Michel Grundstein, Elsa Negre and Camille Rosenthal-Sabroux.
- Integrating accessibility as a quality property in web developments, Marine Reichling and Samira Si-Said Cherif.

10:30-12:30
Session 7: Business Processes (1)
Chair: Wil van der Aalst
Room: Descartes
- Bi-criteria strategies for business processes scheduling in Cloud environments with fairness metrics, Kahina Besssai, Samir Youcef, Ammar Oulamara and Claude Godart.

12:30-14:30 Lunch

14:30-16:00
DC Session 2: Process Handling
Mentors: Xavier Franch (moderator), Jolita Ralyté, Oscar Pastor
Room: Bachelard
- Event Processing with Dynamically Changing Focus, Marc Schaaf.
- Contextual recommendations using intention mining on process traces Ghazzaleh Rhodabandelou.
- Bridging the Gap between Social Software and Business Process Management: A Research Agenda, Matheus Hauder.

14:30-16:00
Tutorial 3: Focus Groups: Getting Practitioners Involved in Your Empirical Software Engineering/IS Research, Maya Daneva
Room: Turgot

16:00-16:30 Coffee Break

16:30-18:00
Session 9: ICT Acceptance
Chair: Said Assar
Room: Richelieu
- Responsible Research and Innovation: Critical reflection into the potential social consequences of ICT, Grace Eden, Marina Jiroutík and Bernd Stohl.
- Determining factors in ICT adoption by MSME’s in agriculture clusters, Gianluigi Viscusi, Federico Cabitza, Andrea Mourino and Fabio Stella.
- Factors fostering IT Acceptance by nurses in Morocco (S), Az-Eddine Bennani and Rachid Oummil.

16:30-18:00
Session 10: User centered approaches (2)
Chair: André Flory
Room: Turgot

16:30-18:00
Tutorial 4: Test automation with models, Marc-Florian Wendland, Ina Schieferdecker
Room: Guizot

20:00 Gala Dinner
Friday, 31 May 2013
8:00-9:00 Registration

9:00-10:00
Keynote Talk - Internet of Services and Internet of Things: Challenges for Information Systems Engineering and Operation
Klaus Pohl, University of Duisburg-Essen, Germany
Chair: Roel Wieringa
Room: Richelieu
10:15-10:45 Coffee Break

10:30-12:30
Session 11: Information Search & Discovery
Chair: Florence Sedes
Room: Richelieu
- Towards a hybrid algorithm for extracting maximal frequent conceptual links in social networks, Erick Stattner and Martine Collard.
- Cold-Start recommender system problem within a multidimensional data warehouse, Elsa Negre, Franck Ravat, Olivier Teste and Romain Tournier.

12:30-12:45 Best Paper Award

12:45-14:30 Lunch

14:30-16:00
Session 13: Web & Networks
Chair: Bénédicte Le Grand
Room: Guizot
- Efficient Events Identification from Social Media RSS Feeds, Chiraz Trabelsi and Sadok Ben Yahia.
- Leveraging Crowdsourced Knowledge for Web Data Clouds Empowerment, Silvana Castano, Lorenzo Genta and Stefano Montanelli.
- Centrality-based peer rewiring in semantic overlay networks (S), Yulian Yang, Sylvie Calabretto and Lionel Brunie.

14:30-16:00
Posters & Demos Session
Chair: Martine Collard and César González-Pérez
Room: D617
Posters
- Business Analytics in Innovation and Product Lifecycle Management, Clotilde Rohleder, Indra Kusumah, Jing Lin and Gülru Özkan.
- Constructing Method Families Based on the Variability Analysis, Elena Kornysyova, Jolita Rakute and Rébecca Deneckère.
- An Overview of a SysML Extension for Goal-oriented NFR Modelling, Christophe Gnaho, Farida Semmak and Régine Laleau.
- Towards an Ontology-based Scientific Knowledge Infrastructure for Information Systems Research, Constantin Hovy, Sven Kaiser, Peter Fettke and Peter Loos.
- Toward Understanding Analogical Mapping and Ideological Cataloguing in the Brain, Newton Howard.
- A Case Study for Understanding the Organization of Distributed Problem-Solving within the Mozilla’s Community, Helia Masmoudi and Imed Bouzhaza.

Demonstrations
- **TempoSpring**: a new immersive hands-free prototype for visualizing social networks, Nicolas Greffard, Fabien Picarougne and Pascale Kuntz.
- **Implementation of Prototype for Interoperability between BIM and GIS, Jung-Rae Hwang, Changhee Hong and Hyun-Sang Choi.
- **Combii-BP Editor: Combining Declarative and Imperative Languages in BP Modelling**, Luisa Parody, María Teresa Gómez López, Rafael M. Gasca and Angel Jesus Varela Vaca.

14:30-16:00  
**Tutorial 5: Cloud Computing**, Dan C. Marinescu  
Room: Turgot

16:00-16:30  
Coffee Break

16:30-18:00  
**Session 14: Business Processes (2)**  
Chair: Samira Si-Said Cherfi  
Room: Descartes

- **Autonomic Protocol-based Coordination in Dynamic Inter-Organizational Workflow**, Wassim Bouaziz and Eric Andonoff.  
- **Adaptation Patterns for Service Based Inter-Organizational Workflows**, Saida Boukedouma, Mourad Oussalah, Zaia Aïmazighi and Dalila Tamzalit.  
- **Using model checking to control the structural errors in BPMN models**, Oussama Mohammed Kherbouche, Adeel Ahmad and Henri Basson.

16:30-18:00  
**DC Session 3: Collaboration and learning systems**  
Mentors: Colette Rolland (moderator), Roel Wieringa, Selmin Nurcan  
Room: Bachelard

- **Accessible Chats for Computer Supported Collaborative Learning Environments in Mobile Devices**, Rocío Calvo.  
- **Computer Mediated Collaboration among the Academic Research Community in Developing Countries: A Case Study of Kenya**, Petronilla Muriithi.

16:30-18:00  
Room: Richelieu

18:00  
Closing  
Room: Descartes

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**Thanks to**

9:00-18:00: 3rd FITTEST Industrial day - Get Fit for testing the Future Internet