Call for Papers

International Workshop:
Evolution of Information Systems and their Design Methods

September 25-26, 2014 - Luxembourg

At the beginning of the 3rd millennium, Digital Information Systems rule our economies, and have reshaped our social and everyday life, especially with the advent of the Internet and the cheap and ubiquitous access to its countless services – services that require well-designed, cost-efficient information systems at the provider side.

EMISA has been focusing very successfully on Information Systems Design for 35 years now. This year's anniversary conference will be an excellent opportunity to draw a balance on what has been achieved (and not), and what is state-of-the-art in the domain of information systems modelling and methodologies. Based on this "where are we?" consideration, the question of "where do we go?" will be equally interesting. What are current and foreseeable future trends in Information Systems, and what is the impact on modelling? On-going technology changes like mobile and cloud computing, and still evolving new methodological approaches like service oriented and model-driven architectures have already been discussed at EMISA. Others tendencies like Enterprise Social Networking, Internet of Things, Big Data, Open Data, and Visual Analytics are changing Information System landscapes and enterprise architectures. Do we have the right methods and tools to design the new and emerging systems?

The EMISA 2014 Program Committee invites scientific submissions and experience papers in all areas of enterprise modelling and information systems architectures, as well as submissions related to the anniversary theme of the conference. Given the connecting character of Luxembourg, we encourage specifically submissions from French speaking communities (conference language is English).

Subjects & Topics

EMISA 2014 is the sixth international workshop in a series that provides a key forum for researchers and practitioners in the fields of enterprise modelling and the design of information system (IS) architectures. The workshop series emphasizes a holistic view on these fields, fostering integrated approaches that address and relate business processes, business people and information technology. EMISA'14 will provide an international forum to explore new avenues in enterprise modelling and the design of IS architectures by combining the contributions of different schools of Information Systems, Business Informatics, and Computer Science.

The EMISA'14 workshop is open for a broad range of subjects and welcomes scientific submissions as well as experience papers on enterprise modelling and information systems architectures.

Possible topics include, but are not limited to.

- Enterprise modelling: languages, methods, tools
- Patterns for enterprise modelling and IS architectures
- Model life cycle management and model evolution
- Model configuration and management of model variants
- Model quality: metrics, case studies, experiments
- Process modelling and process-aware IS
- Collaborative enterprise modelling
- Model-driven architectures and model-driven IS development
- Component- and service-oriented software architectures
- Service engineering and evolution
- Service composition, orchestration and choreography
- Complex event processing and event-driven architectures
- Human factors in enterprise modelling and IS
- Modelling social information and enterprise innovation networks
- Cloud computing infrastructures and their influence on IS engineering
- Security and trust aspects
- Mobile enterprise services
- Individual-based IS strategies
- Software product line architectures and modelling
- Visual aspects of modelling and modelling languages
- IS for large scale data and related design questions

Doctoral Workshop

A Doctoral Workshop will be held together with EMISA 2014, intended for PhD candidates in Computer Science preparing a thesis on a subject relevant to the domain of the Conference. The workshop will allow the PhD candidates at any stage of their research to share experience and receive constructive feedback. Interested participants will be asked to submit an extended abstract presenting the thesis subject and progress, for review by a scientific committee. A specific call for PhD abstracts will be published in due time.

For more information about the Doctoral Workshop, please contact: ghoniem@lippmann.lu or tamisier@lippmann.lu and check the conference website.

Programme Committee

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Organisation

The workshop is jointly organised by the Centre de Recherche Public – Gabriel Lippmann (Luxembourg) and the *GI Special Interest Group on Design Methods for Information Systems* (GI-SIG EMISA).

Organising Committee

- Patrik Hitzelberger (Centre de Recherche Public - Gabriel Lippmann, Luxembourg)
- Guy Simon (Centre de Recherche Public - Gabriel Lippmann, Luxembourg)

Doctoral Workshop Organisation

- Mohammad Ghoniem (Centre de Recherche Public - Gabriel Lippmann, Luxembourg)
- Thomas Tamisier (Centre de Recherche Public - Gabriel Lippmann, Luxembourg)

Location

The City of Luxembourg, ideally located at the crossroads of Europe, was founded in 963 and has evolved from a fortress city of historical importance to become a European capital city. Noteworthy attractions include its historical heritage readily visible all throughout the city as well as its exceptional setting amidst the natural splendour of the Alzette valley.

The EMISA 2014 workshop will take place at the Abbey of Neumünster Cultural Exchange Center. This historical building complex is located next to the Alzette river at the base of the Old City plateau and features modern amenities for conferences, workshops and other events among a unique and inspirational setting.

Paper Submission

Prospective authors are invited to submit papers for presentation in any of the areas listed above. Papers have to present original research contributions not concurrently submitted elsewhere. Authors are invited to submit papers limited to 14 pages in length (in English), by May 30 2014, 2014. Papers have to be formatted according to the Lecture Notes in Informatics (LNI) style guide (see http://www.gi-ev.de/fileadmin/redaktion/Autorenrichtlinien/guidelines.pdf). Document

templates for LaTeX and Microsoft Word are available (see http://www.gi.de/service/publikationen/lni.html). Accepted papers will be published in the GI LNI series and will compete for the EMISA 2014 Best Paper Award.

Instructions for paper submission will be made available soon on the workshop's website www.emisa2014.lu.

Important Dates

Submission: May 30, 2014

Notification: July 4, 2014

Final version: July 25, 2014

EMISA 2014:   September 25-26, 2014

Doctoral Workshop   September 26, 2014

Additional information & Contact

For additional information, please access the workshop's website at:

www.emisa2014.lu

Or contact the organizers: emisa2014@lippmann.lu