

CALL FOR PAPERS

The 22nd International Conference on Advanced Information Systems Engineering (CAiSE'2010)
7-11 June 2010, Hammamet, Tunisia

<http://www.caise2010.rnu.tn>

Evolving Information Systems

Modern information systems are the result of the interconnection of systems of many organizations, are running in variable contexts, and require both a lightweight approach to interoperability and the capability to actively react to changing requirements and failures. In addition, users of information systems are becoming more and more mobile and ubiquitous, requiring the system to adapt to their varying usage contexts and goals. The evolution of an information system should be a continuous process rather than a single step, and it should be inherently supported by the system itself and the design of the information system should consider evolution as an inherent property of the system. The special events and invited speakers of CAiSE '2010 will shed light on this theme from various perspectives.

Goal: CAiSE'2010 aims to bring together researchers and practitioners in the field of information systems engineering. CAiSE'2010 invites submissions on the design, development, maintenance, and usage of information systems - and especially submissions dealing with evolving information systems.

Topics of interest include, but are not restricted to:

Methodologies and approaches for IS engineering

- Enterprise architecture and enterprise modelling
- Requirements engineering
- Business process modelling and management
- Simulation
- Model, component, and software reuse
- IS reengineering
- IS engineering approaches for adaptive and flexible information systems
- Service science
- Knowledge patterns and ontologies for IS engineering
- IS in networked & virtual organizations
- Method engineering

Engineering of specific kinds of IS:

- eGovernment
- Enterprise systems (ERP, CRM, CRM)
- Data warehousing
- Workflow systems
- Knowledge management systems
- Content management systems

Innovative platforms, architectures and technologies for IS engineering

- Service-oriented architecture
- Model-driven architecture
- Component based development
- Agent architecture
- Distributed, mobile, and open architecture
- Innovative database technology
- Semantic web
- IS and ubiquitous technologies
- Adaptive and context-aware IS

Quality concerns in IS engineering

- Knowledge, information, and data quality
- Quality of models and their languages
- Usability, security, trust, flexibility, interoperability

Important Dates:

12 October 2009: Tutorials & Workshops submission deadline

February 18, 2010: Notification of acceptance

November 30, 2009: Paper submission deadline

June 7-11, 2010: Conference & Workshops

Types of contributions. We invite four types of original and scientific papers:

- **Formal and/or technical papers** describe original solutions (theoretical, methodological or conceptual) in the field of IS engineering. A technical paper should clearly describe the situation or problem tackled, the relevant state of the art, the position or solution suggested and the potential - or, even better, the evaluated - benefits of the contribution.
- **Empirical evaluation papers** evaluate existing problem situations or validate proposed solutions with scientific means, i.e. by empirical studies, experiments, case studies, simulations, formal analyses, mathematical proofs, etc. Scientific reflection on problems and practices in industry also falls into this category. The topic of the evaluation presented in the paper as well as its causal or logical properties must be clearly stated. The research method must be sound and appropriate.
- **Experience papers** present problems or challenges encountered in practice, relate success and failure stories, or report on industrial practice. The focus is on 'what' and on lessons learned, not on an in-depth analysis of 'why'. The practice must be clearly described and its context must be given. Readers should be able to draw conclusions for their own practice.
- **Exploratory papers** can describe completely new research positions or approaches, in order to face to a generic situation arising because of new ICT tools or new kinds of activities or new IS challenges. They must describe precisely the situation and demonstrate how current methods, tools, ways of reasoning, or meta-models are inadequate. They must rigorously present their approach and demonstrate its pertinence and correctness to addressing the identified situation.

Submission Conditions: Papers should be submitted in PDF format. The results described must be unpublished and must not be under review elsewhere. Submissions must conform to Springer's LNCS format and should not exceed 15 pages, including all text, figures, references and appendices. Submissions not conforming to the LNCS format, exceeding 15 pages, or being obviously out of the scope of the conference, will be rejected without review. Information about the Springer LNCS format can be found at <http://www.springer.de/comp/lncs/authors.html>. Three to five keywords characterising the paper should be indicated at the end of the abstract. The type of paper (technical/empirical evaluation/experience/exploratory paper) should be indicated in the submission.

Publication: Accepted papers will be presented at CAiSE'2010 and published in the conference proceedings, which is published in the Springer Lecture Notes in Computer Science (LNCS).

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