

# Call For Paper for eChallenges Workshop:

## “Applications, Tools and Technology for Conceptual Modelling and Semantics”

### Abstract:

Concept Modelling is commodity in e-sciences, domain applications and ICT and hence a cross-domain aspect. Domain specific modelling is an emerging topic in ICT and can be observed by a growing number of groups emphasizing the development of individual languages, methods and approaches for the specific benefit of a particular domain. Domain orientation allows implementing special model-driven solutions for domain experts, without the need to make compromises in the concepts, the method or the tools in use. This leads to a plethora of different concepts, approaches, platforms and modelling intensions.

The challenge is to use modelling tools not only to deal with different purposes in complex and heterogeneous application environments but also to translate the conceptual world into a software that provides enough technical flexibility, user acceptance and appropriate application interfaces.

Hence the workshop targets very openly all modelling applications, tools and technologies that have been developed or are used in application domains- to provide some samples - but not limited to: (a) semantics, knowledge models and technologies for intelligent content; (b) business processes, governmental and policy modelling in eGovernment, eParticipation and eDemocracy; (c) learner models, training course design and course evaluation for technology enhanced learning; (d) model driven architecture, workflow orchestration as well as service discovery and deployment for cloud computing; (e) domain-specific models, semantic and knowledge platforms for eHealth, digital libraries and cultural heritage, Future Internet or any applicable domain.

Technical surveys, novel technical solutions, prototypes or products have been implemented, adapted, configured or used in a vast amount of research projects and initiatives, ranging from Software Design and Workflow Management tools, ontology management system, rule inference engines, configuration platforms, business process management tools or platforms to design and monitor key performance indicators.

This workshop aims to discuss a wide variety of modelling applications, tools and platforms and hence invites research projects, research initiatives and researches to present their ideas, prototypes, tools and platforms and present the challenges and requirements for the development, configuration and deployment of modelling tools into concrete application scenarios.

The aim is to strengthen the European community of research dealing with modelling to enable the collaboration across projects and ensure sustainability of research results.

### Objectives:

This workshop is the second at the eChallenges and supports a series of workshops and tutorials from the Open Models Initiative and the ADOxx.org community. Several EU-Projects used such initiatives as exploitation platform and collaboration space, hence the experience report of EU-Projects using this community to achieve not only sustainability and exploitation but more efficiently realise their project goals, is aimed to be communicated to a wide range of European researchers.

The objective is to demonstrate the variety of modelling tools and applications, possible collaboration platforms by joining existing communities and technical solutions based on EU-Project results.

### Target Audience:

The workshop is targeted all practitioners including researchers using modelling tools with a background of computer science, business informatics or in e-science and application domains. Modelling tools are therefore explicitly not limited to software designers or code generators, but also tackle the huge space of management tools for human and computational interpretation.

Hence the workshop targets all domains that aim for a benefit in using models as a knowledge platform.

### Workshop Organizers:

The workshop will be organised by Dr. Robert Woitsch, BOC and Fabrizio Smith, CNR.

### How to submit a paper

Please get in contact with: [Robert.woitsch@boc-eu.com](mailto:Robert.woitsch@boc-eu.com)

Workshop papers must be submitted by uploading the abstract till **31.03. 2014** to the conference page [www.eChallenges.org](http://www.eChallenges.org).

Please find attached the template of paper abstract.

## **eChallenges Paper Abstract**

To submit your extended abstract please follow the following steps:

1. Enter your paper title and classification.
2. Cut and paste Extended Abstract (text only) into the text box at the homepage. Your extended abstract should provide an overview of the following sections of your full paper: Introduction - Issues to be addressed, Objectives of your paper, Methodology Used, Technology or Business Case Description, Conclusions and Summary Recommendations. Pictures and diagrams cannot be submitted at this stage and should only be included at the full paper stage.
3. All Extended Abstracts are double blind peer reviewed and therefore no contact details or organisational details should be included within the text of your submission.
4. The Conference Organisers will contact you in relation to feedback and next steps as the author who submitted this paper. Co-author information is optional but may be stored with the paper. Please do not list yourself as one of the co-authors since your details are already associated with the paper submission.
5. Following completion of these details, please click submit to upload your Extended Abstract and classification. Upon successful submission, you will receive an email acknowledgement and will be able to view the Extended Abstract submitted via your My Page Paper Details section. If you wish to resubmit your abstract prior to the deadline, please log into the portal and click RESUMIT on your My Page Paper Details section.
6. In order to submit a paper to aforementioned workshop, indicate this in the title with ABSTRACT FOR WORKSHOP SESSION:" Challenges in Modelling: Domain specific Value-Adding and ICT Execution"

### **Authors**

### **Abstract:**

Please input your abstract (1,000 - 1,200 words) remembering to insert line breaks and section headings. Please ensure that authors are not identified in your abstract text.

## **ABSTRACT FOR WORKSHOP SESSION**

**"Challenges in Modelling: Domain specific Value-Adding and ICT Execution Support"**

- 1) Introduction - Issues to be addressed,
- 2) Objectives of your paper,
- 3) Methodology Used,
- 4) Technology or Business Case Description,
- 5) Conclusions and Summary Recommendations