Special Track **"Teaching Conceptual Modelling"**

Call for Papers

The advent of the 4th industrial revolution with paradigms like internet of Things, Factories of the Future and Cyber-Physical Systems increase the complexity and ubiquity of digital artefacts introducing: human challenges (e.g. human-machine/system interaction), lifecycle challenges (e.g. ICT embedded in the lifecycle of automotive, machines, energy provision systems etc.), business challenges (e.g. creating new business models to exploit value from new applications), and regulatory challenges (e.g. privacy, security etc.). A higher level of automated processing of digital information is expected, as well as "end-to-end" integration of processes across multiple organizations and customers. Also, the diversity of devices and items interacting with each other require processes that interoperate seamlessly, and products that are intelligible and useful to the intended users. These developments multiply the number and complexity of the requirements which engineers and computer scientists face in the design and management process of products, services and supporting information systems. At the same time, it increases their need for modelling, analysis and simulation tools suitable for executing these tasks.

This workshop focuses on concepts, methods, tools and advanced laboratories for teaching conceptual modelling. It aims to explore how conceptual modelling can be taught theoretically and practically. In addition, it aims to discuss how advanced conceptual modelling laboratories can be used to equip students and graduates with the necessary competences in solution engineering.

We invite academics and practitioners from all over the world to submit original contributions and experience reports. All topics relevant to conceptual modelling and advanced laboratories are of interest, with special focus on:

- Teaching methods for conceptual modelling
- Practice in conceptual modelling teaching
- Applications and conceptual modelling tools from different domains
- Laboratories for conceptual modelling
- (Domain-specific) requirements for advanced conceptual modelling laboratories
- Best practices
- Innovative didactical and pedagogical approaches in teaching conceptual modelling

Contributions

For the workshop we solicit high quality contributions in the form of papers according to the IEEE format (full papers: 8 pages, short papers: 4 pages), which will be presented in 20 minutes presentations + 10 minutes of discussions.

All accepted papers will be included in the IEEE Educon proceedings that will be distributed to all EDUCON participants and will be considered for publication in IEEE Xplore.

Important Dates

February 10, 2017	Paper submission deadline
February 28, 2017	Notification to authors
March 5, 2017	Camera ready paper
April 25, 2017	Workshop

Submission

All papers must be prepared in accordance to the IEEE format and be submitted electronically (in PDF) via the submission website (https://www.conftool.com/educon). Please submit your paper in the respective special session titled "Teaching Conceptual Modelling".

Chairs

Dimitris Karagiannis, University of Vienna, Austria
Christos Douligeris, University of Piraeus, Greece

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Jan Vanthienen, Katholieke Universiteit Leuven

Registration and Fees

For information and registration, please contact us at events@omilab.org. Alternatively, you can register via the conference website and select the workshop participation.

Participants of the OMiLAB Workshop can register for the entire EduCon Conference, or they can decide to register only for the OMiLAB Workshop. There is only a small handling fee of 20 Euro for participation only in the OMiLAB Workshop since its costs are covered by a sponsorship.

Co-funding

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