

Enterprise Modelling

Short Description

Description:

The purpose of this track is to focus on a core topic in business and information systems engineering research. Enterprise modelling is an established approach for the conceptual representation, design, implementation and analysis of information systems in general. It contributes with the conceptualization, implementation, and use of machine processable languages to facilitate the interaction with complex business and technological scenarios, engage in knowledge management and support organizational engineering. In addition, the development of reference models for selected domains, the design of generic models for enterprise architecture management, and the development of modelling tools are investigated.

Topics include, but are not limited to:

- Conceptualization of enterprise modelling methods
- Enterprise modelling platforms & tools
- Reference modelling
- Semantic-based enterprise modelling and enterprise ontologies
- Enterprise architecture management
- Multi-level enterprise modelling
- Modelling in agile development environments
- Best practices and use cases

We solicit full research papers and research in progress papers for this track.

Bibliography:

- Jelena Zdravkovic, Janis Stirna, Marite Kirikova, Dimitris Karagiannis, Robert Winter: Advanced Enterprise Modelling. Business & Information Systems Engineering 57(1): 1-2 (2015).
- Kurt Sandkuhl, Hans-Georg Fill, Stijn Hoppenbrouwers, John Krogstie, Andreas Leue, Florian Matthes, Andreas L. Opdahl, Gerhard Schwabe, Ömer Uludag, Robert Winter: Enterprise Modelling for the Masses - From Elitist Discipline to Common Practice. PoEM 2016: 225-240, Springer.

Publishing Opportunities in Leading Journals

The best papers from the track will be invited to submit an extended version to the Department for Enterprise Modelling and Enterprise IS of the Business and Information Systems Engineering (BISE) journal (ISI IF 2016: 3.392, <http://www.bise-journal.com/>).

Further selected papers will be invited to submit extended versions to the Enterprise Modelling and Information Systems Architectures (EMISA) journal (<https://emisa-journal.org/emisa>).

Track Co-Chairs

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	Affiliation	University of Vienna, Austria / University of Bamberg, Germany
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	Short Biography	Hans-Georg Fill is substituting full professor for business informatics at the University Bamberg, Germany and lecturer at the University of Vienna, Austria. He holds a PhD and a habilitation from the University of Vienna in business informatics. He was a visiting researcher at Stanford University, USA, Karlsruhe Institute of Technology, DE and Ecole Nationale Supérieure des Mines at St. Etienne, FR. His research activities focus on the development of IT-based modelling tools, information systems and the alignment of conceptual modelling and ontologies.
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	Short Biography	Oscar Pastor is Full Professor and Director of the “Centro de Investigación en Métodos de Producción de Software (PROS)” at the Universidad Politécnica de Valencia (Spain). He received his Ph.D. in 1992. He was a researcher at HP Labs, Bristol, UK. He has published more than three hundred research papers in conference proceedings, journals and books, received numerous research grants from public institutions and private industry, and been keynote speaker at several conferences and workshops. His research activities focus on conceptual modelling, web engineering, requirements engineering, information systems, and model-based software production.
3	Name - Surname	Jelena Zdravković
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	Short Biography	Jelena Zdravkovic is head of the Information Systems unit at the Department of Computer and Systems Sciences (DSV) at Stockholm University. She received her BSc and MSc in Electrical and Computer

		<p>Engineering Sciences from the University of Belgrade in 1992 and 1996, respectively. At that time she worked for the IT consulting company Informatika as a designer and team leader for systems development. In 2004, she received an MBA in E-commerce. Jelena received her PhD in Computer and System Sciences from the Royal University of Technology (KTH) in 2006 under the supervision of Prof. Paul Johannesson, and in the same year, she became an assistant professor at KTH, and later moved to Stockholm University. She currently works in the area of analysis of information systems.</p>
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ECIS 2018 TRACK 36

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