



Call for papers

36th International Conference on Conceptual Modeling (ER2017)

CONFERENCE ORGANIZATION

Conference Chair

Oscar Pastor, UPV, Spain

Program Committee Co-chairs

Heinrich C. Mayr, AAU, Austria
Hui Ma, VUW, New Zealand
Giancarlo Guizzardi, UFES, Brazil

Workshop Co-chairs

Sergio de Cesare, Brunel University, UK
Ulrich Frank, Univ. Duisburg-Essen, Germany

Tutorial Co-chairs

Iris Reinhartz-Berger, University of Haifa, Israel
Karen Davis, University of Cincinnati, USA

Panel Co-chairs

Flavia Santoro, UNIRIO, Brazil
Gerti Kappel, TU Wien, Austria

Poster/Tool Demonstration Co-chairs

Sergio España, Universiteit Utrecht, the Netherlands
Cristina Cabanillas, WU Wien, Austria

Ph.D. Symposium Co-chairs

Dimitris Karagiannis, Univ. Wien, Austria
Stephen Liddle, Brigham Young University, USA
Sourav S. Bhowmick, NTU Singapore

SCME Co-chairs

Xavier Franch, UPC, Spain
Monique Snoeck, KU Leuven, Belgium

Local Organizing Chair

Victoria Torres, UPV, Spain

Publicity Chair

Selmin Nurcan, Sorbonne, France
Renata Guizzardi, UFES, Brazil
Moon Kun Lee, Chonbuk National University, Korea

Web Master

Alberto García, UPV, Spain

Liaison to Steering Committee

N.N.

The International Conference on Conceptual Modeling (ER) is the leading international forum for current research on conceptual modeling and trendsetting applications. The topics of interest span the entire spectrum of conceptual modeling: theoretical and ontological foundation, methods and tools for developing and communicating conceptual models and meta models, techniques for transforming conceptual models into effective implementations, and the impact of conceptual modeling techniques on databases, business strategies and information systems development. We solicit submission of original research papers, as well as experience and vision papers from both practitioners and researchers. In addition, we welcome submissions of Workshop, Tutorial, Panel and Demo Proposals. Topics of interests include, but are not restricted to

Methods and Techniques

- Foundations and Concept Formalization
- Domain Specific Conceptual Modeling Languages, Methods and Frameworks
- Methodologies and Tools for Conceptual Design
- Ontological and Cognitive Foundations for Conceptual Modeling
- Quality and Metrics of Conceptual Models
- Patterns and Reuse
- Data Semantics and Integrity Constraints
- Interleaving Modeling and Development
- Integration of Conceptual Models and Database Schemas
- Schema Evolution and Management of Database Constraints
- Metadata and Applications
- Spatial, Temporal, and Multimedia Aspects in Conceptual Models
- Semi-structured Data and XML
- Empirical Studies of Conceptual Modeling

Application Domains

- Requirements Engineering
- Reverse Engineering and Roundtrip Engineering
- NoSQL and NewSQL Databases
- Data Warehousing, Data Mining, and Business Intelligence and Analytics
- Big Data
- Semantic Web, Cloud Computing, and Web Information Systems
- Information Retrieval, Filtering, Classification, Summarization, and Visualization
- Human-Computer Interaction
- Advanced and Cross-Disciplinary Applications of Conceptual Models
- Enterprise Business Models, Enterprise Architectures and Service-Oriented Architectures
- Business Process Modeling
- Industry 4.0, Factory of the Future and Internet of Things
- Applications to Bioinformatics, Ambient Assistance, Cyber Security, and Privacy
- Role of Conceptual Modeling in Social Networks, Mobile Computing, Deep Learning, Serious Games and Pedagogical Models, etc.

IMPORTANT DATES & SUBMISSION GUIDELINES

Paper Abstracts:	April 10, 2017	Workshop Proposals:	January 20, 2017
Full Papers:	April 17, 2017	Notification of acceptance:	February 10, 2017
Author Notification:	June 24, 2017	Submission of workshop papers:	June 30, 2017
Final Papers	July 17, 2017	Camera-ready version of accepted Papers:	August 4, 2017
		Tutorial, Panel, Demo Proposals:	June 5, 2017

The proceedings will be published in the Springer LNCS series; therefore, manuscripts must follow the LNCS author guidelines. The page limit for full papers is 14, for short papers 8. Manuscripts not submitted in the LNCS style or exceeding the page limit will not be reviewed and automatically rejected. A paper submitted to ER 2017 must not be under review for any other conference or journal during the time it is being considered for ER 2017. Submitted papers must demonstrate to be aware of the state-of-the art literature in conceptual modeling by properly citing relevant papers in the field. Submission is via EasyChair: <https://easychair.org/conferences/?conf=er2017>.