



ER 2021

40th International Conference on Conceptual Modeling

October 18-21, 2021 in St. John's, NL, Canada



IMPORTANT DATES

Paper abstracts:	March 31, 2021
Full papers:	April 7, 2021
Author notification:	June 9, 2021
Camera-ready papers:	June 23, 2021
Workshop proposals:	February 7, 2021
Workshop papers:	June 16, 2021
WS author notification:	July 15, 2021
Camera-ready WS papers:	July 31, 2021
Tutorial/Panel proposals:	June 16, 2021
Forum/Demo/Poster papers:	June 16, 2021
F/D/P author notification:	July 15, 2021
Camera-ready F/D/P papers:	July 31, 2021

A paper submitted to ER 2021 may not be under review for any other conference or journal during the time it is being considered for ER 2021. Submitted papers must demonstrate awareness of the state-of-the-art literature in conceptual modeling by properly citing relevant papers in the field.



#ERconf21
<http://er2021.org/>

CALL FOR PAPERS

We solicit submission of original research, as well as experience and vision papers, from both researchers and practitioners, welcoming any topic where conceptual modeling is a major theme. Submissions that draw attention to the role conceptual modeling can play in areas where it has not traditionally been applied are especially welcome, since the overall theme of ER 2021 is:

Conceptual Modeling in an Age of Uncertainty

Topics of interest span the entire spectrum of conceptual modeling including research and practice in areas such as theories of concepts and ontologies underlying conceptual modeling, modeling languages, methods and tools for developing and communicating conceptual models, and techniques for transforming conceptual models into effective implementations.

Submission Guidelines

Since the proceedings will be published by Springer in the LNCS series, authors must submit manuscripts using the LNCS style (see [style files and details](#)). The page limit for submitted papers (as well as for final, camera-ready papers) is 14. Manuscripts not submitted in the LNCS style or exceeding the page limit will not be reviewed and will be automatically rejected. Springer has provided a [LaTeX template in Overleaf](#) for your convenience.

Submission Link:

<https://easychair.org/conferences/?conf=er2021>

Program Chairs

- ❑ Aditya Ghose, University of Wollongong, Australia
- ❑ Jennifer Horkoff, Chalmers Univ. of Technology, Sweden
- ❑ Vítor E. Silva Souza, Federal Univ. of Espírito Santo, Brazil

Topics of Interest

Specific examples of topics of interest include, but are not limited to, conceptual modeling as applied to:

Foundations

- Foundations and Concept Formalization
- Ontological and Cognitive Foundations for Conceptual Modeling
- Multi-level Modeling
- Justification and Evaluation of Models

Data/Object Management

- Data Semantics and Integrity Constraints
- Integration of Conceptual Models and Database Schemas
- Schema Evolution and Management of Database Constraints
- NoSQL and NewSQL Databases
- Big Data and Conceptual Modeling
- Data Warehousing, Data Mining, Business Intelligence and Analytics
- Spatial, Temporal, and Multimedia Aspects in Conceptual Models
- Metadata and Applications
- Semi-structured Data and XML

Engineering

- Agile Development
- Interleaving Modeling and Development
- Domain Specific Conceptual Modeling Languages, Methods and Frameworks
- Requirements Engineering
- Reverse Engineering and Round-Trip Engineering
- Patterns and Reuse
- Methodologies and Tools for Conceptual Design
- Quality and Metrics of Conceptual Models

ER 2021 Awards

There will be two awards given to authors at ER 2021.

- Best Student Paper Award: to be given to the best paper whose first author is a student.
- Best Paper Award: to be given to the best paper.

Business Information Systems

- Enterprise Models
- Enterprise Architectures
- Service-Oriented Architectures
- Business Process Modeling
- Models at Runtime
- Models to Support IT Management
- Modeling Distributed Ledger Systems

Advanced and Cross-Disciplinary Applications

- Economics and Conceptual Models
- Conceptual Models and Machine Learning
- Conceptual Models and Decision Making
- Industry 4.0, Factory of the Future and
- Internet of Things
- Bioinformatics, Ambient Assistance
- Cyber Security and Privacy
- Role of Conceptual Modeling in Social Networks,
- Mobile Computing, Deep Learning, Internet of Objects, Serious Games and Pedagogical Models, etc.
- Semantic Web, Cloud Computing, and Web Information Systems
- Information Retrieval, Filtering, Classification, Summarization, and Visualization

Experience

- Empirical Studies of Conceptual Modeling
- Experience Applying Conceptual Modeling