BALTIC DB & IS 2022

Call for Papers

4–6 July 2022, Riga, Latvia

The 15th International Baltic Conference on Digital Business and Intelligent Systems is a continuation of the biennial International Baltic conference on Databases and Information Systems (Baltic DB&IS) held since 1994. Inheriting the scope of the previous editions of the conference series, the Baltic DB&IS 2022 conference focuses on the advances of computer science in digital business and intelligent systems and provides a rich environment for exchanging research findings and ideas among scientists, practitioners, and doctoral students from the Baltic Sea region, Europe, and the rest of the world.

Conference Scope

Baltic DB&IS 2022 welcomes original unpublished contributions that have not been reviewed elsewhere. The topics of the contributions include, but are not limited to:

Computer Science Models, Methods, Algorithms, and Tools for Digital Business:

- Digitalization in Enterprise Ecosystems
- Business Process Management, Automation, and Simulation-based Optimization
- Advanced Socio Cyber Physical Systems
- Web Information Systems and Web Engineering
- Digital Humanities and Cultural Heritage
- Digitalization in Healthcare
- Digitalization in Education
- Digitalization in Agriculture and Forestry
- Smart Cities
- Computational Biology
- E-governance and E-commerce

Knowledge and Knowledge Technologies for Digital Business and Intelligent Systems:

- Machine Learning
- Information Retrieval
- Knowledge Graphs, Semantic Web, and Semantic Technologies
- Open Data and Linked Data
- Natural Language Processing
- Perception and Cognitive Systems
- Advanced Knowledge Management
- Research Methods in Computer Science and Information Systems Engineering
- Computational Thinking for STEM and Engineering Education

IT Support for Digital Transformation:

- Approaches for Digital Transformation
- Requirements Engineering for Digital Transformation
- Software and Data Quality Systems
- Advanced Computer Networks
- Risk and Security Management and Fraud Detection
- Recommender Systems

Artificial Agents and Smart Systems for Digital Business:

- Artificial Agents and Human-computer Interaction
- Artificial Intelligence and Machine Vision
- Intelligent Methods for Cybersecurity, Robotics, and Smart Industrial Systems
- Intelligent Platforms and Infrastructures for Digital Business
- Evidence Based Systems

Data, Data Science, and Computing for Digital Business and Intelligent Systems:

- Computational Modeling
- Algorithms and Software for Quantum Computers
- Knowledge-based Computing
- Uncertainty Handling in Computing
- Data Storage, Mining, and Analytics
- Big Data, Temporal Data, Geospatial Data

Important Dates

Conference paper submission:	2 March 2022
Doctoral Consortium paper submission:	9 March 2022
Notification to authors:	6 April 2022
Doctoral Consortium:	**3 July 2022**
Conference:	**4-6 July 2022**

https://dbis2022.lu.lv

Publications

Papers accepted by the conference will be published in the Springer CCIS series proceedings indexed by Scopus.

Extended versions of selected papers will be invited for submission to the following journals indexed by Clarivate Analytics Web of Science and Scopus: *Informatica*, *ComSIS*, and *Baltic Journal of Modern Computing*.

Submissions

Submission types: Full research papers 12-16 p. short communications 6-11p., Doctoral Consortium papers 6-8 p.
Submission format: Springer LNCS https://www.springer.com/gp/computer-science/lncs/conference-proceedings-guidelines
Submission site: https://easychair.org/conferences/?conf=balticdbis2022

Organization

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Baltic DB&IS 2022 is being prepared as a physical event held in Riga, with support for your virtual participation.

See you in July in Riga!

Venue

The International Baltic DB&IS 2022 conference will take place in Riga, the capital of Latvia, whose picturesque medieval Old Town is known around the world for its well-preserved completeness and authentic Hanseatic architecture.

https://dbis2022.lu.lv