CALL FOR PAPERS

Information and Communication Technology (ICT) plays an increasingly important role in organizations, inter-organizational networks, society and individuals' daily life. Business activities are dependent on complex, distributed software systems operating in dynamic and often unpredictably changing business environments. In this context, Business Informatics Research is essential.

Organizations must be able to adapt and quickly exchange information with collaborators and customers. Demand for increasing interoperability exists at technological, business process, and knowledge levels. Methods, theories, and tools that maintain change and adaptation of business processes, organizations, and their supporting software are needed. Recent challenges are directed to more human-oriented, highly personalized and trustworthy, high-quality systems enabling their users to cope with the large variety of frameworks, technologies and tools needed to accommodate emerging business applications.

Research contributions for the conference will be on aspects of and future directions in Business Informatics Research with respect to the above-mentioned theme of interoperability and adaptation, as well as on exploring scientifically the practical aspects and establishing empirically grounded analyses of business cases in order to provide a better evaluation to the applications of ICT in industry. Contributions from both ongoing research and implications for future directions are welcome.

The BIR conference series create a forum where researchers in business informatics, seniors as well as juniors, could meet and discuss with each other. The main theme of **BIR 2024** is *Artificial Intelligence in Business Informatics: Opportunities and Challenges*. BIR 2024 welcomes papers from all over the world. We accept original papers of the following types: full research papers, research-in-progress papers, industrial papers. Doctoral Consortium and workshops will also take place at BIR 2024.

IMPORTANT DATES

Conference
- Paper submissions: April 20, 2024
- Acceptance notification   May 30, 2024
- Camera ready: June 20, 2024
- Conference date: Sept. 12–13, 2024
- Workshops & CD date: Sept. 11.2024
- *Workshop paper submissions:*   *June 2024*
- *Acceptance notification:*   *July 2024*

Doctoral Consortium (DC)
- Paper submissions: June 24, 2024
- Notification: July 24, 2024

PAPER SUBMISSION

Papers can be submitted in two categories:
- **Full papers** (up to **15** pages) should report on novel research results.
- **Research in progress papers** (up to **8** pages) can be used to report on preliminary results of ongoing research.
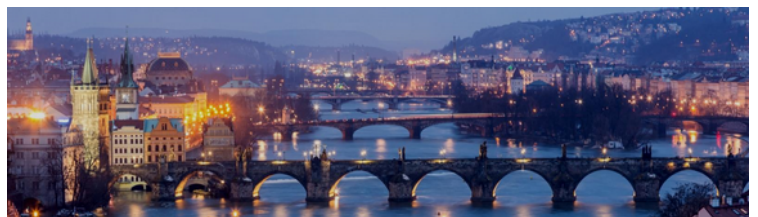
Papers must be written in English and must be formatted according to the Springer Instructions for LNBIP authors. They have to be submitted to
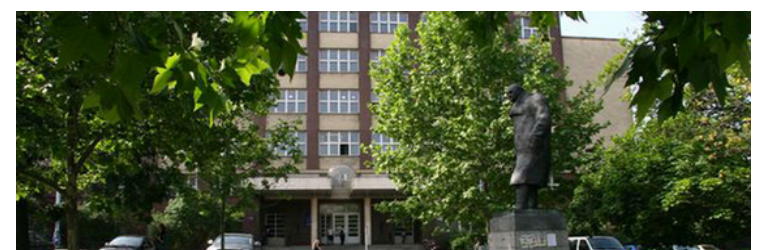
https://equinocs.springernature.com/service/BIR2024

The submission must be an original work that has not been published or submitted elsewhere. The conference accepted papers will be published in the series Lecture Notes in Business Information Processing (LNBIP, Springer).

CONFERENCE VENUE

Prague, the magical city of bridges, cathedrals, gold-tipped towers and church domes, whose image has been mirrored in the surface of the Vltava river for more than ten centuries. Prague is also a modern European metropolis full of energy, music, and art.

Prague University of Economics and Business, the biggest public university of economics in the Czech Republic celebrated its 70th anniversary in 2023. Six faculties offer applicants a broad spectrum of study fields in Bachelor's, Master's and Doctoral degree study programs which meet the requirements of the European Credit Transfer System (ECTS).

BIR 2024

23rd International Conference on Perspectives in Business Informatics Research

11. - 13. September 2024, Prague, Czech Republic
https://bir2024.vse.cz/

MAIN TOPICS

AI opportunities and challenges in Business Informatics
• Ethical and responsible AI use
• AI model performance and tuning for business
• Ontology modelling languages and AI
• Data quality and integration
• Algorithm selection and optimization
• Model validation and evaluation
• Predictive analytics
• Privacy and security

Business, people and systems interoperability
• Philosophical and social perspectives of interoperability
• Ontological foundations of Business Informatics
• Systems theory and principles
• Conceptual modelling
• Human oriented systems
• Emerging technologies and paradigms
• Methods, architectures and communication technologies supporting interoperability
• Enterprise modelling and virtual organisations
• ERP, CRM and SCM systems
• e-commerce, e-business, e-government,

Openness in business informatics
• Open development and deployment tools
• Interoperability of open source communities
• Integrating open source technology with commercial and proprietary products
• Open innovation
• Open data
• Web and social computing

Business intelligence
• Business intelligence systems
• Data warehousing
• Decision support systems
• Databases for business
• Competing on analytics
• Healthcare/Medical Informatics

Business and information systems development
• Business process modelling and Workflow management
• Model Driven and Service Oriented architecture (MDA, SOA)
• Requirements engineering and Business rules
• Object oriented techniques and methodologies
• Quality of business software and IS security issues

Knowledge Management and Semantic Web
• Knowledge management in interconnected world
• Linked data
• Semantic Web methods and languages
• Ontology modelling languages and tools
• Ontology applications in business
• Learning organizations and e-learning

Contextualized evaluation of business informatics
• Feasibility of existing techniques and languages
• Contextualized value and quality
• User acceptance of new technology
• Curriculum design and implementation issues
• Case studies and experience reports
• Project and risk management issues

GENERAL CONFERENCE CHAIR

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