

CALL FOR PAPERS

BIR 2021 20th International Conference in Business Research

22 - 24 September, 2021

Vienna, Austria — <https://bir2021.omilab.org/>

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CONFERENCE TOPICS

We welcome submissions for the 20th International Conference on Perspectives in Business Informatics Research (BIR), taking place in Vienna, Austria.

THEME: ARTIFICIAL INTELLIGENCE IN BUSINESS INFORMATICS

Artificial Intelligence (AI) drastically changes the way we employ technology, design information systems and allocate human labor in the context of digital transformations. AI also shifts perspectives in Business Informatics Research, which has been traditionally concerned with how different forms and degrees of automation can support or evolve enterprise information systems. The two fundamental pillars of Artificial Intelligence – machine learning and knowledge engineering – converge towards new streamlining possibilities, with transformative results in areas such as business process automation, human-computer interaction, context-aware or capability-aware enterprise information systems.

From its very inception the BIR conference focused on opening perspectives and stimulating new roadmaps for Business Informatics, considering both fundamental research and key application areas (e.g., Industry 4.0, Smart cities, e-Government). Large scale AI adoption brings disruptions that must be met by Business Informatics research with novel methods and tools, to ensure a triple-win for enterprises, employees and the societal environment in which they act.

TYPES OF PAPERS

- Research papers
- Exploratory papers
- Practice papers

Accepted papers will be published in a volume of the Springer's LNBIP series.

The BIR workshops and the BIR Doctoral Consortium will publish a separate joint proceedings volume in the CEUR-WS series. Submission dates and guidelines will be posted by chairs after the list of approved workshops is announced. Best workshop papers will be invited to submit extended versions to a special issue of the Journal of Complex Systems Informatics and Modeling Quarterly.

SUBMISSION GUIDELINES

Authors should consult Springer's authors' guidelines and use their proceedings templates, either for LaTeX or for Word, for the preparation of their papers. Springer encourages authors to include their ORCID in their papers. In addition, the corresponding author of each paper, acting on behalf of all of the authors of that paper, must complete and sign a Consent-to-Publish form (this will be made available to authors of accepted papers). The corresponding author signing the copyright form should match the corresponding author marked on the paper. Once the files have been sent to Springer, changes relating to the authorship of the papers cannot be made. All submissions must be unpublished and not be under review elsewhere. Page limit for all papers is 15 pages. A preliminary abstract submission is expected one week before the paper submission deadline. Inclusion in the proceedings volume is conditioned by having at least one author registration per paper and having the paper presented during the conference. Initial submission should be made in PDF format using the EasyChair submission page: <https://easychair.org/conferences/?conf=bir20210>



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TOPICS

Business, IT People and System Responsibilities

- Philosophical and social perspectives
- Ontological foundations
- Systems theory and principles
- Conceptual modelling
- Human oriented systems
- Emerging technologies and paradigms
- Business models and rules
- Enterprise modelling and architectures

Business & IS development

- Capability planning and management
- Business process modeling
- Process mining
- Model Driven Development
- Service oriented architecture
- Requirements engineering
- Contextualised business and systems
- Business Information Technology Alignment

Enterprise Systems

- IoT, ERP, CRM and SCM systems
- Business intelligence systems
- Data analytics and decision support systems
- Databases for business
- Big Data for business

Application areas

- Healthcare Supply Chain
- Industry 4.0

- E-Government
- Smart City
- Computer games and gamification

ICT Governance/Management

- Digital Governance
- IT Governance
- Project, risk and security management
- Data Governance
- ICT system sustainability, ethics and ergo-nomics
- Legacy systems

Responsible Collaboration

- Blockchain economy
- Outsourcing, crowdsourcing, etc.
- Social network analysis
- Value creation and co-creation
- Business compliance
- Workflow management

Semiotics & Knowledge Management

- Linked data Semantic
- Web methods and languages
- Ontology modelling languages and tools
- Digital innovation
- Ontology applications in business
- Web and social computing
- Text mining
- E-learning and learning organizations



IMPORTANT DATES

- **Abstract submission deadline: May 17th**
- **Submission Deadline for the Main Conference: May 24th**
- **Notification of acceptance: July 14th**
- **Conference: September 22nd-24th**



BIR 2021 ORGANIZATION

Conference Chairs:

Björn Johansson,
Linköping University, Sweden
Dimitris Karagiannis,
University of Vienna, Austria

Program Chairs:

Robert Buchmann,
Babes-Bolyai University, Cluj-Napoca,
Romania

Andrea Polini,
University of Camerino, Italy

Doctoral Consortium Chairs:

Knut Hinkelmann,
FHNW University of Applied Sciences
and Arts Northwestern Switzerland

Barbara Re,
University of Camerino, Italy

Workshop Chairs:

Marite Kirikova,
Riga Technical University, Latvia

Kurt Sandkuhl,
University of Rostock, Germany

Organization Chairs:

Victoria Döllner,
University of Vienna, Austria