BIR 2020

19th International Conference on Perspectives in Business Informatics Research

21-23 September, 2020
Vienna, Austria

https://bir2020.omilab.org/

Call for Papers

Artificial Intelligence in Business Informatics

Organizers

Conference Chairs
- Björn Johansson
- Dimitris Karagiannis

Program Chairs
- Robert Buchmann
- Andrea Polini

Workshop Chairs
- Marite Kirikova
- Kurt Sandkuhl

DC Chairs
- Knut Hinkelmann
- Barbara Re

Organizing Chair
- Victoria Döller

Important Dates

Paper Submission
- 18 May, 2020

Workshop Proposals
- 19 April, 2020

Conference
- 21-23 September, 2020

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.

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 ergonomics
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

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