



Proceedings of

**Workshops and Work-InProgress  
Contributions at S-BPM ONE 2019**

at the 11<sup>th</sup> International Conference on  
Subject-Oriented Business Process Management  
*Seville, Spain, June 26<sup>th</sup>-28<sup>th</sup>, 2019*

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# Preface

S-BPM ONE 2019 was the 11th conference of the established S-BPM ONE series on innovative approaches to process management. This conference had an emphasis on **connecting data science with business-, technical and subject-oriented process science**. Of particular interest have been challenges, solutions and trade-offs regarding business process management with special focus on subject-orientation and data semantics.

For the first time the conference has been collocated and co-organized with BIS 2019 (the 22nd International Conference on Business Information Systems). Participants will benefit from an intensive exchange on a variety of relevant and modern information systems topics.

For the second time, in addition to the regular research presentation track, S-BPM ONE 2019 had also hosted workshops that allow community-driven discussions of emerging fields of research as well as practice-oriented challenges.

S-BPM ONE 2019 provided a viable forum of continuous dialogue between academia and practice for handling challenges from various societal systems through innovative process concepts and management techniques. It attracted leading-edge work aimed to create adaptable settings reflecting the dynamic development of (networked) organizations. The conference promoted interdisciplinary approaches from computer science and information systems, as well as business, management and organization sciences, addressing the following topics of interest:

- Process mining
- Robotic Process Automation (RPA)
- Privacy issues
- Artificial intelligence and business intelligence
- Digital knowledge management tools
- Integration technologies
- Process-orientation in organizational theory and business practice
- Stakeholders as digital organization designers
- Governance in digital/virtual organizations
- Managing digital infrastructures of organizations
- Organizational Resilience
- Servitization through subjects/processes
- Softwarization of communication networks through BPM/S-BPM
- Disappearing Internet of Things
- Theory building for digital organizations
- Formal semantics and methods for digitization of organizations
- Standardization of Subject-Orientation/BPM concepts and technologies
- Repositioning Agent-based Systems for Value-based BPM
- Digital architecting-based BPM and Subject-Oriented modelling
- Organizational Learning Support
- Subject-oriented collaborative knowledge elicitation
- Negotiation support along digitization processes
- Transhumanism and S-BPM/BPM
- Modeling Concepts for Dynamic and Complex Processes

All 6 contributions underwent peer review of at least three members of the international program committee. The authors of the contributions could share and discuss the results of recent research,

application and experience studies, and work in progress. Ideas for future work could be elaborated by their proponents according to the possibility for cross-disciplinary discourse.

Organizing a successful conference needs many people contributing in a lot of different ways. Special thanks are going to:

- The keynote speakers for their inspiring lectures
- The authors of the contributions for presenting their work
- The members of the international program committee for carefully reviewing papers and giving constructive comments
- The session chairs for moderating the presentations and interactions between participants
- The co-organization team from Universidad de Sevilla and BIS 2019

We also thank the **Universidad de Sevilla** for hosting and sponsoring S-BPM ONE 2019 and BIS 2019. Additionally, we would like to especially thank **Allgeier IT** for their sponsoring. The generous sponsorship from academia and industry indicates the need for cross-sectoral discourse and the wide recognition of the event. Our special thanks go to the Institute of Innovative Process Management (I2PM, [www.i2pm.net](http://www.i2pm.net)), the umbrella institution of the S-BPM ONE conference series.

May 2019

Matthias Lederer

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