INVITED SESSION ON “Business Process Management (BPM)”

Name, Title and Affiliation of Chair:

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Background:

Business Process Management (BPM) is an integrated approach towards the alignment of information systems with business requirements. BPM aims to cover the full lifecycle of business processes, all the way from identification and modeling, down to automation and monitoring. Additionally, strategy, governance, methods, information technology, people and culture are considered to be important facets of a BPM phenomenon. BPM virtually bridges the world of two scientific disciplines, Business Economics and Information Technology underlining with Process Mining methods. The session also attests to an increasingly interdisciplinary nature of BPM research, which puts the audience in close connection to disciplines such as Information Systems, Management and Organizational Science, Data and Knowledge Management, Theory of Processes, Operations Management, Service-Oriented Computing, Social Computing, Cloud Computing, Big Data, and many more. We welcome all kinds of papers discussing aforementioned approaches from different domains in this session. We look forward to getting an attractive discussion in Portugal 2017.

The topics include but are not limited to:

- Foundations of business processes and process models
- Process description and analysis methods and formalisms
- Algorithms for the analysis of processes
- Reference process models
- Foundation of process design and synthesis
- Artefact-centric processes
- Process architectures
- Process mining
- Variability and configuration of processes
- Managing process collections and repositories
- Decision management and BPM
- Event handling and BPM
- BPM and enterprise architecture
- BPM and auditing
- Automated planning in BPM
- Sensor technologies and BPM
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<th>Scientific workflows and BPM</th>
<th>Software process management</th>
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<td>Security and Risk Management in business process execution</td>
<td>Operations research for business processes</td>
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<td>BPM in healthcare and the medical context</td>
<td>BPM in and for the Cloud and Crowd</td>
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<td>Social BPM</td>
<td>User-centric aspects of BPM</td>
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<td>Human-centric processes and knowledge-intensive processes</td>
<td>Processes in the Internet of Things and Wearable Devices</td>
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<td>Mobile processes</td>
<td>Collective adaptive processes</td>
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<td>Business process lifecycle management</td>
<td>Business process transformation and change management</td>
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<td>Relationship between business strategy and business processes</td>
<td>Success factors and measures in BPM</td>
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<td>Business process transformation and change management</td>
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<td>Adoption, Maturity and Practice of BPM</td>
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<td>Design-led process innovation</td>
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<td>Process-oriented and service-oriented software architectures</td>
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<td>Resource management in business process execution</td>
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<td>Process monitoring and performance measurement</td>
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<td>Analytics and visualization of big process data</td>
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<td>(Adaptive) Case management</td>
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<td>Important Dates:</td>
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Submission of Papers: 16 January 2017  
Notification of Acceptance: 13 February 2017  
Upload of Final Publication Files: 13 March 2017

**Paper Publication:**  
The conference proceedings will be published by Springer as book chapters in a volume of the KES *Smart Innovation Systems and Technologies series*, indexed in Scopus and CPCI / Web of Science (publisher’s information). Please contact the publisher for more information about this or check the conference website.

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