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 Malta 2019.

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 |
| Scientific workflows and BPM | Software process management |
| Security and Risk Management in business process execution | Operations research for business processes |
| BPM in healthcare and the medical context | BPM in and for the Cloud and Crowd |
| Social BPM | User-centric aspects of BPM |
| Human-centric processes and knowledge-intensive processes | Processes in the Internet of Things and Wearable Devices |
| Mobile processes | Collective adaptive processes |
| Business process lifecycle management | Business process transformation and change management |
| Relationship between business strategy and business processes | Success factors and measures in BPM |
| BPM governance and compliance management | Adoption, Maturity and Practice of BPM |
| Customer process management | Design-led process innovation |
| Process-oriented and service-oriented software architectures | Resource management in business process execution |
| Business process management systems | Managing process execution data |
| Process monitoring and performance measurement | Adaptive and context-aware process execution |
| Analytics and visualization of big process data | (Adaptive) Case management |
| Process data warehousing | Data and event streams in business processes |
| Data integration and data quality in business processes |

**Important Dates:**
- Submission of Papers: TBA
- Notification of Acceptance: TBA
- Upload of Final Publication Files: TBA

**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.

**Submission**
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