

Business Process Management

Business processes are at the core of the socio-technical transformation that has been fueled by the digital economy. The rapid emergence of fast maturing technologies such as mobile, social, cognitive, and cloud computing has enabled entire new forms of process automation. Developments such as robotics and the Internet of Things create new design options for processes involving physical transactions. Finally, process mining and advanced data analytics have increased the sophistication in the analysis of past processes and allow new forms of process predictions. In this context, process designers and users are exposed to a wide range of socio-technical process transformations.

The majority of the academic body of BPM knowledge, however, is under-developed to guide us in such an opportunity-rich environment. BPM approaches tend to be problem-driven and reactive. They do not guide the process-centered deployment of new digital technologies or the definition of the role of end users in fast changing processes. Thus, we believe that BPM needs to further develop its intellectual core and methodological basis to strengthen its exploratory, opportunity-driven capabilities in addition to the rich set of exploitative, problem-driven capabilities.

Process exploitation aims at more efficient processes, implemented via incremental changes that rely on tools, management approaches, and techniques within well-defined process boundaries. Such a view, however, neglects the exploration potential of BPM. Exploration-oriented BPM operates under the paradigm of innovation and agility of processes, services, products and business models, applying techniques of creative, abductive thinking, design, and communication.


The track invites completed research papers and research-in-progress papers addressing exploitative and explorative BPM and seeks to find answers to the following questions:


- How can BPM help identify value-creating scenarios for digital technologies?
- How can BPM be extended to support the exploration of process innovation?
- What are the requirements of process design in high-speed, entrepreneurial environments, and what methods are available?
- What methods guide robotic process automation?
- Can BPM help predict and guide the future of work?
- What are innovative, validated approaches to process mining and analytics?
- How does BPM need to be adapted to cater for transformational processes?
- How can BPM support business model and ecosystem innovation?
- How can BPM enable organizational agility?
- What process models will emerge in the context of new application scenarios such as smart cities, hospitals of the future, or energy markets?
- What enterprise-wide capabilities are needed to enable ambidextrous BPM?


Publishing Opportunities in Leading Journals

Authors of excellent papers will be invited to submit extended versions to the BPM departments of *Business & Information Systems Engineering* (<http://www.bise-journal.com>) and the *Journal of Information Technology Theory and Application* (<http://aisel.aisnet.org/jitta>).

Track Co-Chairs

1	Name - Surname (primary contact)	Maximilian Röglinger
	Title	Professor
	E-mail	maximilian.roeglinger@fim-rc.de
	Affiliation	University of Bayreuth, FIM Research Center
	URL	http://www.fim-rc.de/about-fim/lead/prof-dr-maximilian-roeglinger/?lang=en
	Short Biography	 <p>Maximilian Röglinger is Professor of Information Systems at the University of Bayreuth and Deputy Director of the Research Center FIM where he is heading the BPM research group. Maximilian is also working with the Project Group Business & Information Systems Engineering of the Fraunhofer Institute for Applied Information Technology FIT. Maximilian’s BPM-related research interests include process decision-making, data-driven BPM, process project portfolio management, process digitalization, and the future of BPM as an enabler of innovation and agility in a digital world.</p> <p>Maximilian is involved in multiple privately and publicly funded research projects, e.g., dealing with the adoption of smart devices in digital production processes or the development of real-time agile BPM systems. He is also engaged in numerous applied research projects with companies such as Deutsche Bahn, Deutsche Bank, Hilti, Infineon, Hilti, Radeberger, and Siemens. His research has been published in renowned IS journals (e.g. <i>BISE</i>, <i>BPMJ</i>, <i>DSS</i>, <i>JAIS</i>, <i>JSIS</i>) and presented at international conferences (e.g., AMCIS, ECIS, ER, ICIS, WI). Maximilian is also co-editor of the Springer book “digitalization cases” (http://www.digitalization-cases.net).</p> <p>Maximilian received a PhD in Information Systems from the University of Augsburg, Germany, and holds a Diploma from the University of Bamberg, Germany.</p>

2	Name - Surname	Jan vom Brocke
	Title	Professor
	E-mail	jan.vom.brocke@uni.li
	Affiliation	University of Liechtenstein
	URL	http://www.janvombrocke.com
	Short Biography	 <p>Jan vom Brocke is head of the BPM group in Liechtenstein. He is Professor of Information Systems, the Hilti Endowed Chair of Business Process Management, Director of the Institute of Information Systems, and Vice President Research and Innovation at the University of Liechtenstein.</p> <p>Jan has more than 15 years of experience in IS and BPM research and teaching, and has published more than 300 papers in, among others, MIT Sloan Management Review, MIS Quarterly (MISQ), Journal of Management Information Systems (JMIS), European Journal of Information Systems (EJIS), Information Systems Journal (ISJ), Information & Management (I&M), and MIT Sloan Management Review. He is author and editor of 34 books, including the International Handbook on Business Process Management (together with M. Rosemann), Green Business Process Management (together with S. Seidel und J. Recker), BPM - Driving Innovation in a Digital World (together with T. Schmiedel), and BPM Cases - Digital Innovations and Business Transformation in Practice (together with J. Mendling).</p> <p>Jan has served in a number of editorial roles and academic leadership positions, and he is an invited speaker and trusted advisor on Business Process Management for a number of organisations (see: http://www.janvombrocke.com).</p>

3	Name - Surname	Michael zur Muehlen
	Title	Professor
	E-mail	mzurmuehlen@stevens.edu
	Affiliation	Stevens Institute of Technology
	URL	http://www.stevens.edu/howe/faculty-profile?id=689
	Short Biography	 <p>Michael zur Muehlen is Associate Dean of Graduate Studies and Associate Professor of Information Systems at Stevens Institute of Technology where he directs the research Center for Business Process Innovation. Michael is responsible for academic oversight, development and growth of seven graduate programs in Stevens' business school, totalling 900+ students. He founded the award-winning graduate program in Business Process Management & Service Innovation at Stevens.</p> <p>Michael is an accomplished expert in Business Process Management and workflow automation and has led numerous reengineering projects in the utility, financial services, manufacturing, and services sector both in Europe and the USA. He is a consultant to several software vendors on BPM product strategy & features and served as an advisor to the CTO and Chief Architect of the US Department of Defense's Business Mission Area from 2008 through 2012.</p> <p>His research focuses on Business aspects of BPM, Process and Rule Modelling, Business Activity Monitoring, Process Intelligence and Standards. Michael has published a book and numerous articles on BPM and workflow-related topics, as well as the social networks of standards making; he is member of the editorial board of two international journals.</p> <p>He serves on the Steering Committees of the International Conference on Business Process Management, the International Workshop on Business Process Intelligence, and the International Workshop on Business Process Design. Michael is co-founder of the AIS special interest group on process automation and management (SIGPAM). He holds a PhD and MS in Information Systems from the University of Muenster, Germany.</p>

Track Associate Editors

1	Name-Surname	Jörg Becker
	Title	Professor
	E-mail	becker@ercis.uni-muenster.de
	Affiliation	University of Muenster, Germany
2	Name-Surname	Marlon Dumas
	Title	Professor
	E-mail	marlon.dumas@ut.ee
	Affiliation	University of Tartu, Estonia
3	Name-Surname	Peter Fettke
	Title	Professor
	E-mail	Peter.Fettke@dfki.de
	Affiliation	German Research Center for Artificial Intelligence
4	Name-Surname	Susanne Leist
	Title	Professor
	E-mail	susanne.leist@wiwi.uni-regensburg.de
	Affiliation	University of Regensburg, Germany
5	Name-Surname	Jan Mendling
	Title	Professor
	E-mail	jan.mendling@wu.ac.at
	Affiliation	Vienna University of Economics and Business, Austria
6	Name-Surname	Willem Mertens
	Title	Postdoctoral Research Fellow
	E-mail	w.mertens@qut.edu.au
	Affiliation	Queensland University of Technology, Australia
7	Name-Surname	Sune Dueholm Müller
	Title	Professor
	E-mail	sdm@mgmt.au.dk
	Affiliation	Aarhus University, Denmark
8	Name-Surname	Bjoern Niehaves
	Title	Professor
	E-mail	bjoern.niehaves@uni-siegen.de
	Affiliation	University of Siegen, Germany
9	Name-Surname	Hajo Reijers
	Title	Professor
	E-mail	h.a.reijers@tue.nl
	Affiliation	VU Amsterdam (and TU Eindhoven), Netherlands

ECIS 2018 TRACK 05

"BEYOND DIGITIZATION - FACETS OF SOCIO-TECHNICAL CHANGE", 23RD -28TH, JUNE, 2018, IN UNIVERSITY OF PORTSMOUTH, UK, FOR THE 26TH EUROPEAN CONFERENCE ON INFORMATION SYSTEMS

10	Name-Surname	Michael Rosemann
	Title	Professor
	E-mail	m.rosemann@qut.edu.au
	Affiliation	Queensland University of Technology, Australia
11	Name-Surname	Flavia Maria Santoro
	Title	Professor
	E-mail	flavia.santoro@uniriotec.br
	Affiliation	Federal University of the State of Rio de Janeiro, Brazil
12	Name-Surname	Theresa Schmiedel
	Title	Assistant Professor
	E-mail	Theresa.schmiedel@uni.li
	Affiliation	University of Liechtenstein, Liechtenstein
13	Name-Surname	Peter Trkman
	Title	Professor
	E-mail	peter.trkman@ef.uni-lj.si
	Affiliation	University of Ljubljana, Slovenia
14	Name-Surname	Amy van Looy
	Title	Professor
	E-mail	amy.vanlooy@ugent.be
	Affiliation	Ghent University, Belgium
15	Name-Surname	
	Title	
	E-mail	
	Affiliation	