

## Call for Papers

# Event Modeling and Processing in Business Process Management (EMoV2015)

2<sup>nd</sup> International Workshop in conjunction with

**34th International Conference on Conceptual Modeling (ER 2015)**

19 to 22 October 2015, Stockholm, Sweden



<http://www.emov-workshop.org>

## Topic

Big Data stores, Sensors, and Cyber-Physical-Systems provide a huge and valuable source of event information for the execution, monitoring, and analysis of business processes. The workshop on Event Modeling and Processing in Business Process Management (EMoV2015) is aiming on problem statements, solution proposals and future development perspectives in the area of conceptual modeling of

- events in business process models,
- specifications for event-processing in business processes including event-based process execution, and
- business intelligence analysis of events in relation to business processes.

The workshop focuses on (executable) models and the dynamic interaction of process executions based on events and the compliance of these executions and their model specification. EMoV2015 is targeting on new model paradigms, model extensions, execution platforms, and empirical studies in that area as well as concepts and methodologies for event-based business process execution. It is intended to bring together experts and interested persons from research as well as from industry that work in the domains of modeling, business process management, and event processing.

## Topics of Interest

Relevant topics include, but are not limited to:

- (1) Models for process execution and modeling paradigms
  - Modeling information of event-driven process execution
  - Modeling reuse of processes, process data, and event information
  - Verification of event information in process models or scenarios
  - Modeling of compensation, error handling, and recovery options in process models
  - Modeling of multiple views on event-driven business processes and their correlation
- (2) Modeling paradigms and model extensions
  - Transformation of process models between various modeling paradigms
  - Model extensions to consider process execution information
  - Modeling of event-based conditions in business processes
  - (Meta-) Model extensions to consider event information for business process modeling and big data analytics in BPM
  - Activity life cycles and their role for modeling and recognition of events
- (3) Dynamic processes
  - Modeling of relationships between business processes based on events (composition, cancellation, triggering, etc.)
  - Methods to dynamically (re-) use processes, process data, and events in various process scenarios (during process execution)
  - Dynamic compensation, error handling, and recovery of process data after the occurrence of specific events
  - Real-time knowledge representation in business processes

- (4) Process execution platforms
  - Integration of event processing with business process models and business process execution
  - Event dissemination in business process execution environments and event-driven process execution
  - Dynamic processes in the context of (event-driven) service-oriented architectures
  - Sensor technologies, big process execution data and distributed event sources in BPM
- (5) Process Monitoring and Analysis
  - Process tracing and monitoring and process performance analysis based on structured, semi-structured as well as unstructured data
  - Business process improvement and innovation
  - Analysis of big process execution data and event-based process compliance
  - Big data processing for anomaly detection and predictive analytics
- (6) Empirical studies
  - Approved techniques and methods for business process modeling and their event-driven execution
  - Case studies of business process modeling and their event-driven execution
  - Experience reports on business process modeling and their event-driven execution

### Submission Guidelines

Papers can be submitted in English as full research paper (max. 10 pages) or short paper (position paper, work in progress; max. 6 pages). The length of the paper must not exceed the mentioned limits including all references and appendices. Papers must contain original contributions that have not been published previously, nor already submitted to other conferences or journals in parallel with this workshop. Each submission is reviewed by at least three experts.

Submitted papers must follow the LNCS guidelines (<http://www.springer.de/comp/lncs/authors.html>). Papers should be submitted electronically as a self-contained PDF file using the EasyChair submission site (<https://www.easychair.org/conferences/?conf=emov2015>) by the deadlines indicated below. Accepted workshop papers are published as a single volume of Springer LNCS to be distributed at the ER 2015 conference.

### Important Dates

Submission:	May 10, 2015
Notification:	June 10, 2015
Camera-ready version:	July 5, 2015
Workshop:	October 19-22, 2015

### Workshop Organizers

**Nico Herzberg** (SAP Germany)

**Falko Kötter** (Fraunhofer-Institut IAO, Competence Center Electronic Business, Germany)

**Stefan Appel** (Siemens AG, Corporate Technology, Research and Technology Center, Germany)

**Nenad Stojanovic** (FZI Research Center for Information Technologies, Germany)

Please contact the chairs at [organizers@emov-workshop.org](mailto:organizers@emov-workshop.org).

## Program Committee

Darko Anicic (Siemens AG, Corporate Technology, Germany)  
Dimitris Apostolou (University of Piraeus, Greece)  
Anne Baumgraß (Hasso Plattner Institute at the University of Potsdam, Germany)  
Opher Etzion (Technological Empowerment Institute at Academic College of Emek Yezreel, Israel)  
Dirk Fahrland (Technical University of Eindhoven, Netherlands)  
Christoph Fehling (University of Stuttgart, Germany)  
Holger Giese (Hasso Plattner Institute at the University of Potsdam, Germany)  
Georg Grossmann (University of South Australia, Adelaide, Australia)  
Christian Janiesch (University of Würzburg, Germany)  
Maximilien Kintz (Fraunhofer IAO Stuttgart, Germany)  
Stefan Krumnow (Signavio GmbH, Germany)  
Matthias Kunze (Hasso Plattner Institute at the University of Potsdam, Germany)  
Frank Leymann (University of Stuttgart, Germany)  
Andre Ludwig (University of Leipzig, Germany)  
Jan Mendling (Vienna University of Economics and Business, Austria)  
Adrian Paschke (Freie Universität Berlin, Germany)  
Stefanie Rinderle-Ma (University of Vienna, Austria)  
Stefan Sackmann (University of Halle, Germany)  
Sigrid Schefer-Wenzel (FH Campus Wien, Austria)  
Stefan Schulte (Vienna University of Technology, Austria)  
Stefan Sobernig (Vienna University of Economics and Business, Austria)  
Mark Strembeck (Vienna University of Economics and Business, Austria)  
Walter Waterfeld (Software AG, Germany)  
Barbara Weber (University of Innsbruck, Austria)  
Matthias Weidlich (Imperial College London, Great Britain)  
Mathias Weske (Hasso Plattner Institute at the University of Potsdam, Germany)  
Uwe Zdun (University of Vienna, Austria)