Call for Research Papers

BPM 2011 is the ninth conference in a series that provides the most distinguished research forum for researchers and practitioners in all aspects of BPM including theory, frameworks, methods, techniques, architectures, systems, and empirical findings. With an acceptance rate in previous editions at around 13% the conference has a record of attracting innovative research of highest quality, from a mix of disciplines including Computer Science, Management Information Science, Services Computing, Services Science, and Technology Management.

This year’s conference will continue with the broad-based themes of previous editions, and strives to strengthen and expand in several key directions. The conference encourages emerging research on new conceptual models for BPM that attempt to unify core aspects of BPM, including process management, data management, business rules and requirements, and analytics. The conference also encourages the increasing interest in applying established and new techniques, such as model-driven architectures, Web services and Web architectures, SOA, and Cloud Computing, to the specific challenges of BPM. In this context, the conference is also looking for contributions on implementation techniques and details for process or Web service execution engines with focus on new application areas. Finally, the conference seeks to attract papers that highlight the pervasive need for BPM capabilities across application areas outside of business management, including healthcare delivery, digital government, disaster management, and management of scientific and other academic endeavors, and that highlight how new techniques can solve the distinctive challenges arising in those diverse areas. Awards will be given to the best papers in different categories.

BPM 2011 will be held in Clermont-Ferrand, France, and will be organized by the LIMOS Laboratory1 CNRS, Université Blaise Pascal. The conference will take place at the campus des cézeaux which is located about 15 minutes from the city center. Clermont-Ferrand is a medium-sized city located in the heart of Auvergne, one of the most beautiful regions of France: ancient volcanoes, lakes and gorges, historic sites and Romanesque architecture make its wealth.

Topics

Research topics include, but are not limited to:

Modeling and Theory of Business Operations and Processes

– Process modeling languages, notations and methods

- Data-aware and data-centric approaches to BPM
- Reference process models
- Variability and configuration of process models
- Process simulation and static analysis
- Automated process composition and synthesis
- Process metadata and semantic reasoning
- Process patterns and standards
- Foundations of business process models
- Security and Privacy aspects in business process modeling

**Process Architectures and Platforms**
- Process-oriented software architectures
- Service-oriented architectures for BPM
- Workflow management systems and infrastructure
- Security and Privacy aspects of business process execution
- Automated planning for business process execution
- Resource management in business process execution
- Process componentization and component repositories
- Distributed process execution
- Cloud computing in support of BPM

**Management of Process Execution Data**
- Models and theory of workflow as data
- Process tracing and monitoring
- Dynamic process analysis and Process performance measurement
- Process mining and learning
- Process data warehousing
- Data streaming in business processes

**Process Evolution and Flexibility**
- Process exception handling
- Process change management
- Monitoring and provenance across change
- Adaptive and context-aware processes
- Case handling
- Process-enhanced groupware

**Human-centric BPM**
- People-intensive processes
- User-centric aspects of BPM design
- User-centric aspects of process management and use
- Cross-organizational processes
- Globally distributed process management
- Integrating strategy, process, people and IT
Task sourcing through social networks

Non-traditional BPM Scenarios

- Knowledge-intensive processes
- Data-driven business processes
- Distributed and mobile processes
- Inter-process planning and coordination
- Scientific processes / grid workflows

Management Issues and Empirical Studies

- Business process lifecycle management
- Relationship of business strategy and business process
- Success factors and measures in BPM
- BPM governance and compliance management
- BPM Maturity
- Adoption and Practice of BPM
- Case Studies and Experience Reports in BPM
- BPM in support of business networks

Conference Paper Submission

BPM 2011 invites research submissions on all topics related to business process management, including but not limited to those listed above. Research papers should be submitted electronically via the EasyChair\textsuperscript{2} system by 13 March 2011.

Initial submissions must be received no later than 6 March 2011 (including at least title and abstract). Final papers must be submitted by 13 March 2011.

Research papers must be in English. They must be original research contributions that have not been published previously, nor already submitted to other conferences or journals in parallel with this conference. The length of the paper should not exceed 16 pages. Papers should be formatted in LNCS format\textsuperscript{3}. The title page must contain a short abstract and a classification of the topics covered, preferably using the list of topics above. The paper must clearly state the research problem being addressed, the goal of the work, the results achieved, and the relation to other work. Submissions received too late, in a format other than PDF, or sent by fax or post will be rejected. The same will happen with papers which are not in English or exceed the page limit. Each submission is reviewed by at least three reviewers, in terms of originality, validity, significance of contribution and quality of the presentation.

All accepted papers will be included in the conference proceedings published by Springer-Verlag in their LNCS series. For each accepted paper, at least one author is required to register for the conference and should plan to present the paper. Authors of selected papers will be invited to submit an extended version of their paper to a special issue Information Systems (an Elsevier Science Journal).

\textsuperscript{2}http://www.easychair.org/conferences/?conf=bpm2011
\textsuperscript{3}http://www.springer.de/comp/lncs/authors.html
Additional Conference Activities

The BPM 2011 conference will include a diverse set of tracks and activities in addition to the main research track. As with previous editions of the conference, there will be several associated workshops that explore newly emerging approaches, methods, and technologies in the BPM space. All or most of these workshops will be held on 29 August 2011. The Demo Track will showcase new, innovative systems that illustrate key BPM functionalities. The proceedings of the workshops, and short papers describing the demos, will be published in a volume of Springer’s Lecture Notes in Business Information Processing (LNBIP). The Industrial Experiences track aims at bridging the viewpoints of leading research outcomes with practical demands and industrial experience; practitioners are encouraged to submit papers reporting on innovative industrial implementations and applications of BPM methods and techniques, with a particular emphasis on their impact on information technology use or business practice. The conference will include tutorials on cutting-edge frameworks and associated principled techniques for solving BPM challenges. There are plans for a Doctoral Consortium, that will provide students in advanced stages of their dissertation work an opportunity to share their research with peers, world-class researchers, and industry experts in Business Process Management. Finally, a summer school directly following the main conference is envisioned.

Important Dates

- **Abstract submissions**: Sunday, March 13th 2011
- **Final paper submissions**: Sunday, March 20th 2011
- **Notification of acceptance**: Friday, May 13th 2011
- **Camera-ready papers**: Sunday, June 12th 2011

Program Chairs

- Farouk Toumani *Blaise Pascal University*, Clermont-Ferrand, France
- Karsten Wolf *University of Rostock*, Rostock, Germany
- Stefanie Rinderle-Ma *University of Vienna*, Vienna, Austria