Call for Papers

Organizers

Workshop Chairs

Avigdor Gal
Technion Haifa, Israel

Hans-Arno Jacobsen
TU München, Germany

João E. Ferreira
USP, Brazil

Program Committee

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Imperial College London, United
Kingdom

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Georgia Tech, USA

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Computing, Brazil

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UniRio University, Brazil

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Germany

Schahram Dustdar
Vienna University of Technology,
Austria

The 1st International Workshop on Integrating Process-oriented, Event-based and Data-driven Systems (ICDCS-PED 2017)

Atlanta, GA, USA - June 5, 2017
In conjunction with IEEE ICDCS 2017
https://sites.google.com/site/icdcsped/

The integration of process-oriented and event-based approaches is long overdue. For example, enterprises frequently need to refine and reengineer their processes to meet constraints and opportunities placed by changing markets, technological innovations, and new regulations. The ability to handle such changes in a timely and robust way is one of the major challenges for Process-Oriented Information Systems (POIS) that deal with heterogeneity, reactivity and adaptability in business process reengineering in particular and enterprise applications in general. A change may range from single instance modifications (ad-hoc) to structural schema modifications for all instances (evolutionary changes). On the one hand, process-oriented information systems have been providing significant advance for control-flow issue in order to provide the coordination of atomic activities. On the other hand, event-based systems have been supporting heterogeneous challenges by isolating and handling of event communication from information systems. Interesting opportunities for innovative research abound in the interactions among and integration of the process-oriented, event-based, and data-driven approaches. The workshop is joined with ICDCS 2017 and will be inclusive, bringing together previously separate communities that now want to interact: process-oriented (e.g., BPM), event-based (e.g., DEBS), and data-driven (e.g., database conferences). Priority will be given to works that integrate the various process-oriented, event-based and data-driven approaches.

Topics included, but are not limited to:
- Process-oriented systems and business process management
- Event-driven systems and event management
- Data-driven systems and process management
- Business and scientific workflow systems
- Complex Events and Complex Control-flows
- Events for flexible and adaptive process management

Submissions
Authors are encouraged to submit full papers describing works that integrate the various process-oriented, event-based and data-driven approaches. Papers must be submitted electronically by EasyChair: https://easychair.org/conferences/?conf=icdcsped2017. The length of papers must be no more than 6 pages in the IEEE double-column format. Each submission will receive at least three independent blind reviews from the TPC. At least one of the authors of every accepted paper must register and present the work at the workshop.

Important Dates
- Submission deadline: March 27, 2017
- Acceptance notification: April 03, 2017
- Camera-ready paper: April 15, 2017
- Workshop data: June 5, 2017