

Call for Papers for the
2nd International Workshop on Methods for Interpretation of Industrial Event Logs (MIEL2019)
to be held on the
17th International Business Process Management Conference (BPM 2019)
Vienna, September 1-6, 2019
<http://bpm2019.ai.wu.ac.at>

CHAIRS of MIEL 2019 Grzegorz J. Nalepa, David Camacho, Edyta Brzychczy,
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WEBSITE: <https://www.geist.re/miel:start>

DESCRIPTION: The objective of this half-day workshop is to discuss novel intelligent data analysis methods suitable for the analysis and interpretation of industrial event logs. We aim to include and possibly combine two distinct perspectives. The first uses methods from data mining and computational intelligence. The second uses background domain knowledge for conceptual analysis. We would like to focus on (but not limit to) the applications of the mentioned methods according to those two perspectives to Industry 4.0. In this setting, the source of the event logs would be industrial machinery, but also possibly personnel or activity monitoring devices.

TOPICS OF INTEREST of the workshop include (but not limited to):

- activity recognition in the industrial setting
- anomaly detection on event log data
- conceptual modeling of industrial processes
- conformance checking of industrial process models
- event logs abstraction methods
- intelligent analysis of multi-sensor data
- industrial case studies with real-life complex event logs
- industrial process modeling
- knowledge graphs on event log data
- network analysis on event log data
- ontologies for industrial domains
- ontology-based methods for event-log generation
- supervised and unsupervised methods of log analysis
- explainable models of event log analysis

SUBMISSION: We encourage the submission of full research papers up to 12 pages, as well as short papers (up to 6 pages) discussing early research proposals, or giving an overview of specific methods and tools applicable for the problems considered in the workshop, as well as practical projects in this area. Please use EasyChair for submission for BPM 2019 <https://easychair.org/conferences/?conf=bpm2019> with track "*Workshop on Methods for Interpretation of Industrial Event Logs*". Also, please follow the Springer LNBIP template to format the paper. The LNBIP proceedings will be prepared as post-proceedings.

IMPORTANT DATES: (tentative)

Paper submission: 24.05.2019
Notification: 28.06.2019
Camera-ready: 12.07.2019
Workshop: 02.09.2019

PROGRAM COMMITTEE (tentative)

Andrea Burattin, Technical University of Denmark, Denmark
Szymon Bobek, AGH University of Science and Technology, Poland
Josep Carmona, Universitat Politècnica de Catalunya, Spain
Diego Calvanese, Free University of Bozen-Bolzano, Italy
Dirk Fahland, Technical University in Eindhoven, The Netherlands
Felix Mannhardt, SINTEF, Norway
Chiara Ghidini, FBK Trento, Italy
Rushed Kanawati, Université Sorbonne Paris Cité, France
Benjamin Kloepper, ABB, Germany
V́ctor Rodríguez, Universidad Autónoma de Madrid, Spain
Dominik Ślęzak, University of Warsaw, Poland
Jose Tomas Palma Mendez, Universidad de Murcia, Spain
Christopher Turner, University of Surrey, UK
Marcin Szyrka, AGH University of Science and Technology, Poland

OTHER ACTIVITIES: during the workshop we are planning to have an introductory talk, presentations of related-projects as well as a panel discussion; furthermore, an industrial session is considered.