**3ʳᵈ Workshop on Methods for Interpretation of Industrial Event Logs (MIEL2020)**
MIEL webpage is http://miel.geist.re
co-located with IDEAL 2020
*21st International Conference on Intelligent Data Engineering and Automated Learning*
4th-6th November 2020, Guimarães, Portugal
http://islab.di.uminho.pt/ideal2020

**CHAIRS**:
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**DESCRIPTION**: The objective of the 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:**
- 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 MIEL2020: https://easychair.org/conferences/?conf=miel2020
Also, please follow the Springer LNCS template to format the paper.

**PROCEEDINGS:** We are aiming at preparing CEUR-WS post workshop proceedings. *Furthermore, we will propose at least two JCR journal options, for the extended versions of the workshop papers.*

**IMPORTANT DATES:** (tentative)
Paper submission:      30.06.2020
Notification:          10.07.2020
Camera-ready:          31.07.2020
Workshop:              04-6.11.2020

**HISTORY**: The 1st edition (MIEL2018) was organized by: Grzegorz J. Nalepa, David Camacho, Edyta Brzychczy, Robert Confalonieri, Martin Atzmueller at IDEAL 2018 in November 2018, Madrid, Spain. The 2nd edition of MIEL 2019 was organized at the 17th Int. Conference on Business Process Management (BPM 2019) by Grzegorz J. Nalepa, David Camacho, Edyta Brzychczy, Roberto Confalonieri, Martin Atzmueller, Marco Montali.

**PROGRAM COMMITTEE** (tentative):
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