

Table of Contents

	Page
Prescriptive Maintenance of CPPS by Integrating Multi-modal Data with Dynamic Bayesian Networks	1
<i>Fazel Ansari, Robert Glawar, Wilfried Sihn</i>	
Evaluation of Deep Autoencoders for Prediction of Adjustment Points in the Mass Production of Sensors	9
<i>Martin Lachmann, Tilman Stark, Martin Golz, Eberhard Manske</i>	
Differential Evolution in Production Process Optimization of Cyber Physical Systems	17
<i>Katharina Giese, Jens Eickmeyer, Oliver Niggemann</i>	
Machine Learning for Process-X: A Taxonomy	25
<i>Felix Reinhart, Sebastian von Enzberg, Arno Kühn, Roman Dumitrescu</i>	
Intelligent edge processing	35
<i>Ljiljana Stojanovic</i>	
Learned Abstraction: Knowledge Based Concept Learning for Cyber Physical Systems	43
<i>Andreas Bunte, Peng Li, Oliver Niggemann</i>	
Semi-supervised Case-based Reasoning Approach to Alarm Flood Analysis .	53
<i>Marta Fullen, Peter Schüller, Oliver Niggemann</i>	
Verstehen von Maschinenverhalten mit Hilfe von Machine Learning	63
<i>Heinrich Warkentin, Meike Wocken, Alexander Maier</i>	
Adaptable Realization of Industrial Analytics Functions on Edge-Devices using Reconfigurable Architectures	73
<i>Carlos Paiz Gatica, Marco Platzner</i>	
The Acoustic Test System for Transmissions in the VW Group	81
<i>Thomas Lewien, Ivan Slimak, Pyare Püschel</i>	