Table of Contents

A Scientometric Framework: Application for Knowledge Management (KM) in Industry Betweer Samia Aitouche, Khaoula Sahraoui, Karima Aksa, Fadhila Djouggane, Walid Cherrid, and Soule	
Digitalization and IT Backsourcing: Towards a Transformational Model for the German Automob Kerstin Felser and Martin Wynn	pile Industry 7
Application of Data Mining in Industry in the Transition Era to Industry 4.0: Review <i>Khaoula Sahraoui, Samia Aitouche, and Karima Aksa</i>	17
Analysis of Human Skills in Industry 4.0 Fadhila Djouggane, Samia Aitouche, and Karima Aksa	24
Semantic Visual Query Answering on Heterogeneous Territorial Data Loris Bozzato, Giulia Bruscagin, Gaetano Calabrese, Luciano Serafini, and Cesare Furlanello	30
Chance Constrained Portfolio Optimization using Loan Kiyoharu Tagawa	37
Analyzing Model Element Labels of Business Process Model Examples Provided on the Web Christian Kop	43
Swarm Intelligence for Solving a Traveling Salesman Problem Isabel Kuehner	49
Extending ASP Based Reasoning to Expressive Constructive Description Logics Loris Bozzato	57
Acceleration Technique of Two-Phase Quasi-Newton Method with Momentum for Optimization Sudeera Hasaranga Gunathilaka Mastiyage Don, Shahrzad Mahboubi, and Hiroshi Ninomiya	Problems 59
Efficient Parameters for Rotation Processing of Data Augmentation Naoki Nakamura, Duke Maeda, Kenta Morita, and Naoki Morita	62
Shoot Counting System Based on SegNet Funa Ito, Duke Maeda, Naoki Nakamura, Kenta Morita, and Naoki Morita	66
The Individual and Collective Outcomes of Decision-Making Monique Borges, Joao Marques, and Eduardo Castro	69
The Perceived Usage Scenario's of Continuous Monitoring, Continuous Auditing and Continuous	s Assurance: an 75

Explorative Study Martijn Zoet, Koen Smit, and Eric Mantelaers	
A Functional Architecture for the Elicitation, Design and Specification of Business Decisions and Business Logic Koen Smit, Sam Leewis, and Martijn Zoet	81
Forecasting Electricity Usage in Industrial Applications with GPU Acceleration through RAPIDS AI Framework Keh-Kok Yong, Woan-Lin Beh, Boon-Yaik Ooi, and Wai-Kong Lee	91
Access Control Method for the Offline Home Automation System Mikolaj Pabiszczak, Monika Grajzer, and Lukasz Sawicki	97
Incorporating Diversity in Academic Expert Recommendation Omar Salman, Susan Gauch, Mohammed Alqahatani, Mohammed Ibrahim, and Reem Alsaffar	102