

## Table of Contents

Flexible Management of Data Nodes for Hadoop Distributed File System <i>Wooseok Ryu</i>	1
Curves Similarity Based on Higher Order Derivatives <i>Stephane Puechmorel and Florence Nicol</i>	3
Automated Generation of SQL Queries that Feature Specified SQL Constructs <i>Venkat Gudivada, Kamyar Arbabifard, and Dhana Rao</i>	9
Data Visualization of A Cyber-Physical Systems Development Toolchain: An Integration Case Study <i>Didem Gurdur, Jad El-Khoury, Tiberiu Seceleanu, Morgan Johansson, and Stefan Hansen</i>	14
Processing Information about Junior Specialists for Small IT-projects Teams Using Linked Data <i>Nafissa I. Yussupova, Dmitry A. Rizvanov, Olga N. Smetanina, Artur F. Galyamov, and Konstantin V. Mironov</i>	20
Reproducible Evaluation of Semantic Storage Options <i>Jedrzey Rybicki and Benedikt von St. Vieth</i>	26
TLEX: A Temporal Analysis Tool for Time Series Data <i>Mohammed AL Zamil and Bilal Abu AL Huda</i>	30
Empirical Evaluation of Open Government Data Visualisations <i>Elena Ornig, Jolon Faichney, and Bela Stantic</i>	35
Analyzing Browsing and Purchasing Across Multiple Websites Based on Latent Dirichlet Allocation <i>Nadine Schroder, Andreas Falke, Harald Hruschka, and Thomas Reutterer</i>	40
A Vision on Prescriptive Analytics <i>Maya Sappelli, Maaïke de Boer, Selmar Smit, and Freek Bomhof</i>	45
Statistical Analysis of Aircraft Trajectories: a Functional Data Analysis Approach <i>Florence Nicol</i>	51
Analyzing Characteristics of Picture Books based on an Infant's Developmental Reactions in Reviews on Picture Books <i>Mizuho Baba, Hiroshi Uehara, Miho Kasamatsu, Takehito Utsuro, and Chen Zhao</i>	57
A Rule-based Named Entity Extraction Method and Syntactico-Semantic Annotation <i>Chahira Lhioui, Anis Zouaghi, and Mounir Zrigui</i>	63

iTweet about #Privacy Mapping Privacy Frames in Twitter Conversation 70  
*Federica Fornaciari*

Industry Experience: Chinese Names Duplicate Records Detection 74  
*Tong Khin Thong, Badrul Affandy Bin Ahmad Latfi, Xiaomei Wang, and Arichandran A/L M.S. Kandiah*

Topic Models to Contextualize and Enhance Text-Based Discourses Using Ontologies 78  
*Dimitris Gkoumas and Reka Vas*