Table of Contents

An Empirical Study of the Correlation of Cognitive Complexity-related Code Measures Luigi Lavazza	1
Functional Size Measurement in Agile Thomas Fehlmann and Eberhard Kranich	7
Measuring Coupling in Microservices Using COSMIC Measurement Method Roberto Pedraza-Coello and Francisco Valdes-Souto	16
Software Functional Sizing Automation from Requirements Written as Triplets Bruel Gerancon, Sylvie Trudel, Roger Nkambou, and Serge Robert	23
Towards a Decision Support System An Ontology Validation Raja Hanafi, Lassad Mejri, and Henda Hajjami Ben Ghezala	30
Reverse Engineering Models of Concurrent Communicating Systems From Event Logs Sebastien Salva	37
The ISO 27000 Family and its Applicability in LGPD Adaptation Projects for Small and Medium-Sized Enterprises Andre de Freitas Fernandes, Fabiano Camilo Santiago de Brito, Fatima Fernandes Periard, Grazielle A. Viana Matias, Mariana Sbaite Goncalves, and Reinaldo Gomes Baldoino Filho	43
Proposed Incident Response Methodology for Data Leakage Alex Rabello, Junior Goulart, Marcelo Karam, Marcos Pitanga, Reinaldo Gomes Baldoino Filho, and Ronaldo Ricioni	50
Studying Digital Literacy and AI Adoption in Software Engineering & Technology Companies Marko Jantti	55
SYS2VEC: System-to-Vector Latent Space Mappings Theo Mahmut Bulut, Vasil L. Tenev, and Martin Becker	61
A Dynamic Threshold Based Approach for Detecting the Test Limits Cristina Landin, Jie Liu, and Sahar Tahvili	71
Developing for Testability: Best Practices and the Opinion and Practice of OutSystems Professionals Fernando Reinaldo Ribeiro, Jose Carlos Metrolho, and Joana Salgueiro	81
A Test Concept for the Development of Microservice-based Applications Michael Schneider, Stephanie Zieschinski, Hristo Klechorov,, Lukas Brosch, Patrick Schorsten, Sebastian Abeck,	88

and Christof Urbaczek

Portable Fast Platform-Aware Neural Architecture Search for Edge/Mobile Computing AI Applications Kuo-Teng Ding, Hui-Shan Chen, Yi-Lun Pan, Hung-Hsin Chen, Yuan-Ching Lin, and Shih-Hao Hung	98
Dual-Track Agile in Early-Stage Startups Elena Lape	106
On the Model Continuity in Control Systems Design Using DEVS, UML, and IEC 61499 Radek Koci and Vladimir Janousek	114
A Developer Portal for DevOps Environment Niklas Sanger, Stefan Throner, Simon Hanselmann, Michael Schneider, and Sebastian Abeck	121
Relational Databases Ingestion into a NoSQL Data Warehouse Rym Jemmali, Fatma Abdelhedi, and Gilles Zurfluh	128
A Communities Engagement Tool for Assessing the Resilience and Deterioration of Cultural Heritage Sites Nikolaos Tousert, Antonis Kalis, Maria Krommyda, Nikos Frangakis, Spyridon Nektarios Bolierakis, and Angelos Amditis	134
An Ontology-based Approach For Conformance Checking of Decision Mining Rules Sahar Toumia, Asma Mejri, and Sonia Ayachi-Ghannouchi	141
Towards a Smart Feature Model Evolution Olfa Ferchichi, Raoudha Beltaifa, Lamia Labed Jilani, and Raul Mazo	149
Continuous Information Processing Enabling Real-Time Capabilities: An Energy Efficient Big Data Approach Martin Zinner, Kim Feldhoff, and Wolfgang E. Nagel	155