Table of Contents

A Five-Factor Market Approach for Long-Term Product Development: A Result of Systems Thinking Andy Mattulat Filipovic and Mo Mansouri	1
A Systems Approach to E-Government Cloud Sustainability Geoffrey Lichtenheim, Mo Mansouri, and Roshanak Nilchiani	7
The Unintended Effects of Medical Software on Clinical Decisions and Patient Safety: A System Viewpoint Farah Elkourdi, Onur Asan, and Mo Mansouri	11
Transformative Computing for Cyber-Security Protocols Lidia Ogiela and Marek R. Ogiela	17
Operation Management Using Wake-on-LAN Yeongkwun Kim and Injoo Kim	20
Model Inconsistencies and Solution Approaches to Maintain Consistency in Model-based Systems Engineering Thomas Schumacher and David Inkermann	23
Modeling of a Railroad Worker Protection System Architecture in PFS Lucas Testoni Macedo, Fabricio Junqueira, and Paulo Eigi Miyagi	29
Software Engineering Project Management with the Community of Practice Approach: Toward Changes in Software Engineering Education Charlie Shim, Yeungkwun Kim, and Injoo Kim	37
Decentralized Cooperative Intersection Management Based on Connected Autonomous Vehicles for Urban Unsignalized Intersections Jie Zhang, Marian Gollner, and Xiaobo Liu-Henke	41
A Multi-dimensional Analysis to Societal Resilience in Context of COVID-19: A Systems Thinking Approach Bijun Wang, Mo Mansouri, and Onur Asan	50
Solar Panel Efficiency in Oman Ahmed Al-Aamri, Ali Al-Humairi, Ayham Al-Rahawi, Hayat El Asri, and Peter Jung	56