## **Table of Contents**

A Novel Synchronization Algorithm for Hybrid Inter-Satellite Link Establishment  Alexandru Crisan, Cristian Anghel, and Remus Cacoveanu	1
A Simple Precoding Scheme for Multi-user MIMO Transmission over a Shared Channel in a TDD Cellular Network  Abheek Saha	6
Evaluation of the Speech QoE in Voice Over LTE Services  Manuela Vaser and Giuseppe Iazeolla	15
A Survey on 5G Standardization for Edge Computing and Internet of Things  Harpreet Kaur	21
AI based Beam Management for 5G (mmWave) at Wireless Edge : Opportunities and Challenges <i>Chitwan Arora</i>	27
5G and Edge Computing as Driving Force behind Autonomous Vehicles  Manu Agrawal	33
Interference Classification in a Factory Environment Based on Semi-supervised Deep Learning Su Yi, Hao Wang, Wenqian Xue, and Leifei Wang	39
Performance Evaluation of Named Data Networking Based Ad Hoc Network Focusing on Node Moving Ngo Quang Minh, Ryo Yamamoto, Satoshi Ohzahata, and Toshihiko Kato	46
Securing Perception System of Autonomous Vehicle  Mariam Faied, Kevin Daimi, and Samar Bayan	52
Enterprise Estimation of Broadband Performance  Erik Massarczyk and Peter Winzer	58
Evaluating Streaming and Latency Compensation in a Cloud-based Game  Jiawei Sun and Mark Claypool	68
Sharing but not Caring – Performance of TCP BBR and TCP CUBIC at the Network Bottleneck Saahil Claypool, Mark Claypool, Jae Chung, and Feng Li	74
Phase Noise Effect on the Minimum Shift Keying Modulator  Mohammad Mahdi Asgharzadeh, Emil Novakov, and Ghislaine Maury	82

Layered Network Domain Resource Management in Multi-domain 5G Slicing Environment Eugen Borcoci, Andra Ciobanu, and Cosmin Contu	86
Studying Optical Frequency Comb-Based Fiber to Millimeter-Band Wireless Interface Mikhail E. Belkin and Tatiana N. Bakhvalova	94
Frequency Domain Equalization of CAZAC-OFDM with Transversal Filter using LMS Algorithm Hiroyuki Yamano, Yoshitsugu Sugai, and Masahiro Muraguchi	99
Symbol Synchronization Technique for Visible Light Communications using CAZAC-OFDM Scheme Yuji Yoshihashi, Takuya Kazama, and Masahiro Muraguchi	105
Implementation of Machine-Based Learning Solutions in Distance Education for Pathologists in Ophthalmic Oncology  Denis Garri, Svetlana Saakyan, Inna Khoroshilova-Maslova, Alexander Tsygankov, Oleg Nikitin, and Grigory  Tarasov	111
Telecommunications Services Selection Process Based on Analysis of Services Adoption  Visnja Krizanovic	116
Security Methods Implementation and Quality of Experience (QoE) for Web Applications Performance <i>Ustijana Rechkoska-Shikoska</i>	122
The Influence of Energy Saving Strategy on Loss Probability in 3-stage Clos Switching Network  Mariusz Glabowski, Maciej Sobieraj, and Michal Stasiak	130