Accepted ConTEL Papers 2023

Optical Communications (OptCom)

Authors	Title
Eleni Niarchou; Vicente Matus; Rafael Perez-Jimenez; Jose Rabadan; Victor Guerra	Experimental Evaluation of LED-based Wearable Transmitter for Optical Camera Communications Systems
Thomas Dreibholz; Steinar Bjørnstad; Jameel Ali	A Scalable Infrastructure for Continuous State of Polarisation Monitoring for Revealing Security and Vulnerability Impacts in Optical Networks
Ziad Salem; Christian Krutzler; Christian Fragner; Andreas P. Weiss	Visible Light Technologies for the Industrial Internet of Things
Christian Fragner; Christian Krutzler; Andreas P. Weiss; Erich Leitgeb	Visual Light Sensing for IoT Sensor Networks: A Use Case for Monitoring Rotating Shaft Conditions in Industrial Applications
Vaigai Yokar; Hoa Le Minh; Zabih Ghassemlooy; Othman Isam Younus; Luis Nero Alves; Wai Lok Woo; Turky Almutairi	Smartphone Beam Profile in a Screen-to-Camera-based Optical Communication System

Networks and Protocols (Netw + P)

Authors	Title
Salsabeel Adel; Raghda Samir; Irene Fahim; Tawfik Ismail	Integrated Trust-Clustering and Dijkstra Routing Algorithms for Energy-Efficient WSNs
Mislav Has; Mario Kusek; Ivana Podnar Zarko	Evaluating Secure Variants of the MQTT Protocol on Resource-Constraint Devices for Precision Agriculture
Maciej Sobieraj; Mariusz Glabowski	Analytical Modeling of the Influence of Connection Handoff on Blocking Probabilities in 5G Mobile Networks
Lovro Boban; Lorenzo Catania; Dario Allegra; Mirko Suznjevic	Investigating the effect of Region of Interest coding on the QoE of FPV drone piloting under adverse network conditions
Ivan Sičić; Nikola Petrović; Karlo Slovenec; Miljenko Mikuc	Evaluation of Inter-dataset Generalisability of Autoencoders for Network Intrusion Detection

Information & Communication Technologies 1 (I&CT 1)

Authors	Title
Lenka Benova; Ladislav Hudec	Using Web Server Logs to Identify and Comprehend Anomalous User Activity
Anisha Aggarwal; Dharmaraja Selvamuthu	Energy Optimization of a Base Station using Q-learning Algorithm
Jay Bojič Burgos; Matevž Pustišek	Tackling Trust and Scalability of the Blockchain-based Shared Manufacturing concept
Haider Dhia Zubaydi; Ahmed Samir Jagmagji; Sándor Molnár	Squeezing the Most Out of Congestion Window for Self-Clocked Rate Adaptation Algorithm in a 5G Environment

Information & Communication Technologies 2 (I&CT 2)

Authors	Title
Raghda Samir; Salsabeel Adel; Irene Fahim; Tawfik Ismail	Secure Data Aggregation in Cultural Heritage Monitoring: NMEC Case Study
Amia Luthfia; Fitrie Handayani; Frederik Gasa; Sari Ramadanty; Abdul Rauf Ridzuan	Navigating the Cyber Frontier: Youth Capabilities to Confront Dis/Misinformation with Digital Literacy and Digital Security
Adrian Komadina; Ivan Kovačević; Bruno Štengl; Stjepan Gros	Detecting Anomalies in Firewall Logs using Artificially Generated Attacks
Li Pengfei; Xin-Lin Huang	Multi-Agent Reinforcement Learning Based Cooperative Spectrum Sensing approach in C-V2X

RF Technologies (RF)

Authors	Title
Maximilian Henkel; Andreas Hörmer; David Evans; Manuela Wenger	In-Flight Logic Analysis on OPS-SAT
Abdulbasit M. A. Sabaawi; Mohammed Almasaoodi; Sara El gaily; Sándor Imre	Unconstrained Quantum Genetic Algorithm for Massive MIMO System

Dragana Krstić; Suad Suljovic; Dejan N Milic; Nenad Petrovic	Approach to QoS Prediction Leveraging Impact of Beaulieu-Xie Fading and k-µ Co-Channel Interference on SC Diversity Receiver Outage Probability
Shashank Panga; Siddhartha S. Borkotoky	Leveraging Wake-Up Radios in UAV-Aided LoRa Networks: Some Preliminary Results on a Random-Access Scheme
New Educational Paradigms & CEEPUS (Education + CEEPUS)	
Vicente Matus; Shivani Rajendra Teli; Carmen Lidia Aguiar; Jose Rabadan; Stanislav Zvanovec; Rafael Perez-Jimenez	A Practical Teaching Tool for Optical Camera Communications
Dimitrios Uzunidis; Gerasimos Pagiatakis; Ioannis Moscholios; Michael D. Logothetis	A Unified Course Module on 5G and Fixed 5G Networks
Iva Zekić; Jurica Babic; Ivana Gace	Inclusion of Green-Themed Serious Games based on Emerging Technologies into Non-Green-Themed Higher Education Courses
Vassil Guliashki; Galia Marinova; Ognyan Chikov	MCDA Approaches for Automatic Tool Selection in a Cloud-based Online-CADCOM Platform
Vassil Guliashki; Galia Marinova; Manjola Zeneli	IoT Approach for Improving the Energy Efficiency in the Durres Port Authority Buildings
General Track 1 (GT 1)	
Pongrac Blaz; Dušan Gleich	Remote monitoring system based on cross-hole GPR and deep learning
Michal Weissenberg; Slawomir Hanczewski; Maciej Stasiak	Determining Resource Utilization in Cloud Systems: An Analytical Algorithm for IaaS Architecture
Renato Soic; Magdalena Simunec	Smart Home Notifications in Croatian Language: A Transformer-Based Approach
Mirta Moslavac; Lea Brzica; Lucija Drozd; Neda Kusurin; Sara Vlahovic; Lea Skorin-Kapov	Assessment of Varied User Representations and XR Environments in Consumer-Grade XR Telemeetings
General Track 2 (GT 2)	
Karlo Slovenec; Lovre Gusar; Ivan Sičić; Miljenko Mikuc	10G flow aggregation using commodity hardware
Riaan Wolhuter; Jason Fynn	A Non-Interfering Radio Communication System for the SKA Astronomy Project
Ivan Čilić; Dora Kreković; Ivana Podnar Zarko; Mario Kusek	Distributed Location-Aware IoT Device Control Based on Indoor Positioning
Mohammad Mohammadi Erbati; Gregor Schiele	A novel dynamic service function chaining to enable Ultra-Reliable Low Latency Communication in NFV