

### *Contribution to Academic Research*

1. Satoshi Denno, Takuma Fujii & Yafei Hou  
"Adaptive Collaborative Relaying in High Mobility Environment"
2. Adham Taha, Mathias Thorsager, Sune Krøyer, Tatiana Madsen & Hans-Peter Schwefel  
"Network-Independent Clock Offset Estimation Using Correlated Sensor Data"
3. Ahmed Nor, Seyed Salar Sefati, Simona Halunga & Octavian Fratu  
"Novel Routing Protocol based on Prediction of Energy Consumption and Link Stability in Mobile Internet of Thing (MIoT)"

### *Contribution to Business Development*

1. Yi-Cheng Huang, Shao-Yu Lien, Chih-Cheng Tseng, Der-Jiunn Deng & K.C. Chen  
"Universal Vertical Applications Adaptation for Open RAN: A Deep Reinforcement Learning Approach"
2. Frederic J Harris & Uma S Jha  
"Generation of Precision Reference Clocks Utilizing Digital Techniques"
3. Troels B. Sørensen, Rasmus Liborius Bruun, Rene Marcker & Preben Mogensen  
"Comparison of cm- and mm-Wave Channel Characteristics between Autonomous Mobile Robots in a Small I4.0 Manufactory"

### *Contribution to Globalization of Research*

1. Azril Haniz, Takeshi Matsumura, Haider Alobaidy, Mehran Behjati, Rosdiadee Nordin, Nor Fadzilah Abdullah, Mandeep Singh  
"Automatic Modulation Classification using Graph Convolutional Neural Networks for Time-frequency Representation"
2. Krasimir Tonchev, Antoni Ivanov, Agata Manolova, Nikolay Neshov & Vladimir K. Poulkov  
"Hybrid SUN-LoRa Network on a Low Altitude Platform for Remote Water Quality Monitoring"
3. Jalal Jalali, Atefeh Rezaei, Ata Khalili & Jeroen Famaey  
"Power-efficient Joint Resource Allocation and Decoding Error Probability for Multiuser Downlink MISO with Finite Blocklength"

### *Contribution to Industrial Research Excellence*

1. Takeshi Matsumura & Hirokazu Sawada  
"Investigation of Beyond 5G-based Physical Radio Node Emulation for Large-scale Wireless Emulator"
2. Ana Maria Dragulinescu, Ioana Marcu & Ciprian Zamfirescu  
"An End-to-End LoRaWAN-based IoT Platform with Built-in Network Coverage Testing Capability"
3. Reo Gakumi, Hiroko Masaki, Keiichi Mizutani & Hiroshi Harada  
"Video Transmission Trial by Wireless Multi-hop Network based on Wi-SUN FAN"

### *Contribution to Research on Fundamental Theory*

1. Austin Bristow & Kwang-Cheng Chen  
"Low-Complexity Quantum Channel Phase Estimation"
2. Harshal More, Ernestina Cianca & Mauro De Sanctis  
"Positioning Performance of LEO Mega Constellations in Deep Urban Canyon Environments"
3. Fumihide Kojima  
"Low-Latency Frame Forwarding Scheme Applicable to the Heterogeneous Channel Allocated Low-Energy Wireless Grid"