Conference Programme

Wednesday (3.06) - City Tour

Day 1 (4.06)

9:00 - 10:25 SESSION 1 Chair: Dr Bamidele Adebisi
Official Opening
Prof. Fumiyuki Adachi (keynote talk, 40min)
Dr Haris Gačanin: Network optimization in 5G (invited talk, 20min)
Dr Osamu Muta: Peak amplitude-aware Precoded MIMO Systems (invited talk, 20min)

10:25 - 10:50 Coffee break

10:50 - 12:50 SESSION 2 Chair: Dr Wasiu O. Popoola
Prof. Werner Prost: Nanowires for High-Speed Nanoelectronics and Nanophotonics (keynote talk, 40min)
Dr Rupak Kharel: Chaotic systems and applications to secure communication (invited talk, 20min)
Dr Sinan Sinanovic: Pilot Assisted Visible Light Communications (invited talk, 20min)
Dr Dr Suzan Rajbhandari: Design Considerations for High Speed Visible Light Communication Systems (invited talk, 20min)
Dr Maciej Plechowia: I-Scover: From the IEICE Europe Section perspective (invited talk, 20min)

12:50 - 13:50 Lunch

13:50 - 14:50 SESSION 3 Chair: Dr Rupak Kharel
Prof. Iffik Otung: Beyond 5G: New thinking for truly ubiquitous ample-speed wireless communications (keynote talk, 40min)
Dr Wasiu O. Popoola: Multicarrier modulation in optical wireless communications (invited talk, 20min)

14:50 - 15:15 Coffee break

15:15 - 17:35 SESSION 4 Chair: Dr Sinan Sinanovic (parallel)
Arnon Vyncke, Guy Torfs, Marijn Verbeke, Christophe Van Praet, Hungkei Chow, Dusan Suvačković, Alex Duque, Xin Yin: CBI-PON: a Low Power Solution offering Flexible Bandwidth Allocation for 40 Gbit/s Next generation Metro/Access Networks (20min)
Samir Karmacharya, Rupak Kharel, Bamidele Adebisi, Sunday Cokey Ekpo: Demand Side Management - Domestic Point of View (20min)
Lukasz Lopacinski, Marcin Brzozowski, Rolf Kraemer: A 100Gbps data link layer with an adaptive algorithm for forward error correction (20min)
Chihiro Inamura, Kentaroh Toyoda, Iwao Sasase: Monetary Fair
Battery-based Load Hiding Scheme for Two Households with One Battery in Automatic Meter Reading System (20min)
Vassilios Vassilakis, Ioannis Moschilos, Michael Logothetis: Performance Evaluation of Priority-Based CDMA Systems in the Presence of Multirate Poison Traffic (20min)
Ioannis Moschilos, Michael Logothetis, Anthony Boucouvalas, Vassilios Vassilakis: Call Blocking Probabilities of Multirate Elastic Traffic under the Threshold and Bandwidth Reservation Policies (20min)
Maciej Pichowiak, Krzysztof Stachowiak, Piotr Zieliński: Properties of Multiconstrained Multicast Trees in Ad-Hoc Networks with Topology Control (20min)

15:15 - 17:35 SESSION 5 (parallel)
Chair: Dr. Piotr Zieliński
Pino Caballero-Gil, Cándido Caballero-Gil, Francisco Martín Fernandez: Ubiquitous Computing Technologies to Manage a Transport Monitoring System (20 min)
Pino Caballero-Gil, Francisco Martín Fernandez, Cándido Caballero-Gil: Cooperative Social System based on Trust for Carpooling (20 min)
Monika Grajzer, Mariusz Glabelski: On the reliability of duplicate address detection in mobile ad hoc networks with Neighbor Discovery+ address auto-configuration protocol (20min)
Paweł Misiorek, Przemysław Walkowiak, Maciej Urbaniński: Performance Evaluation of the CARMNET System in Metropolitan Wireless Networks (20min)
Anup Monsakul: Design A Hueristic Algorithm Module for DEElite Network Design and Simulation Tool (20min)
Maciej Słomczyński, Maciej Sobieraj: An Open Source Environment for Capturing IP Traffic (20min)
Satoshi Kodama, Yusuke Goto: Implementation of server management system by using VNIC and bridge-connection (20min)

18:00 - 21:00 Conference dinner

Day 2 (5.06)

9:00 - 10:40 SESSION 6
Chair: Dr. Haris Gacanin
Dr Dejan Vukobratovic: Rateless Codes and Applications (invited talk, 20min)
Attila Fesus, Tijana Ruzic, Aleksandra Pizurica: A two stage patch-based Markov Random Field approach to structure-aware image inpainting (20 min)
Prof. Aleksandra Pizurica: Patch based digital image processing – Principles and selected applications (invited talk, 20min)
Aleksandar Latic, Adrian Munteanu, Aleksandra Pizurica: Analysis of coupled dictionary learning for super-resolving video of mixed resolution (20 min)

10:40 - 11:10 Coffee break

11:10 - 12:30 SESSION 7 (parallel)
Chair: Prof. Mariusz Glabelski
Dr Alberto G. Perotti: Overloaded Multiple Access for Next Generations of Wireless Communications (invited talk, 20min)
Yusuke Akiyoshi, Mai Ohta, Makoto Tarumaru: DS5S System with OQPSK-Spread FSK: Study on Characteristics of Low Envelope Fluctuation and Bit Error Rate Due to Narrow-Band Interference (20 min)
Piotr Remlein: FDMA System with STTC Coding and CPM Signals (20 min)
Yu Usami, Kentaroh Toyoda, Iwao Sasa: Reliable EH-WSNs based Bridge Monitoring System by Adjusting Sleep Timing with Beacon Signal and Forwarding Overheard Packets (20 min)

11:10 - 12:30 SESSION 8 (parallel)
Chair: Monika Grajzer
Dejan Vukobratovic: The Design of Multimedia Multicasting Services in LTE HetNets Using Stochastic Geometry (20 min)
Takahiko Yamada, Toshihiko Nishihara: Another cell size reduction of LTE network (20 min)
Angham Sabagh, Bamidele Adebisi, Sunday Cooksey Ekpo: A Real-time N-Channel PCM Transmission System Test Bed
Angham Sabagh, Sunday Cooksey Ekpo, Bamidele Adebisi: Thermal Characterisation of RF GPS Receivers
Dr Klavonsh Nazarpour: Myoelectric Prosthesis Control: The gap between academia and industry (invited talk, 20min)
Sunday Ekpo: Space-enabled Future Smart Cities: A Review of Technologies and Resources (invited talk, 20 min)

12:30 - 13:30 Lunch