

The conference will be held in the Lecture-Conference Center, Poznan University of Technology

## Conference

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## Programme

### Day 1 (28.05)

		Grzegorz Danilewicz, Marcin Dziuba, Janusz Kleban, Marek Michalski, Remigiusz Rajewski, Mariusz Żal, Bartosz Belter, Artur Binczewski, Krzysztof Dombek, Artur Juszczyk, Łukasz Ogrodowczyk, Iwo Olszewski, Damian Parniewicz, Maciej Stroński: ALIEN Project - Abstraction Layer for Implementation of Extensions in Programmable Networks (20min)
		Marek Michalski, Tytus Sielach: Adding support for NetFPGA10G cards in xDPd (20min)
13:00 - 14:20	ALIEN&CARMNET Special Session	Bartosz Belter, Artur Binczewski, Artur Juszczyk, Krzysztof Dombek, Łukasz Ogrodowczyk, Iwo Olszewski, Damian Parniewicz: Hardware Abstraction Layer on EZchip NP-3. Realization of ALIEN Hardware Abstraction Layer (HAL) on EZchip NP-3 network processor (20min)
		Przemysław Walkowiak, Radosław Szalski, Bartosz Musznicki, Dawid Dudek, Karol Kowalik, Piotr Zwierzykowski: Evaluation of CARMNET System in INEA HOTSPOT Network (20min)
14:20 - 14:40		Coffee break
		Abolfazl Mehbodniya: Radio Resource Management for Next Generation (20min)
		Stojan Denic, Mohamed Ismail: Are Existing Iteratively Decoded QR Codes Suitable for Energy Efficient M2M Communication? (20min)
14:40 - 16:00	NEWCOM Special Session	Adrian Kliks, Paweł Kryszkiewicz, Fernando Casadevall, Jordi Perez-Romero, Anna Umbert: DVB-T channels power measurements in indoor/outdoor cases (20min)
		Piotr Tyczka, Michał Sybis: Decoding Algorithms with Reduced Computational Requirements for Iterative Receivers (20min)
16:00 - 16:20		Coffee break
		Dr Darko Zibar: Intelligent signal processing for optical communication (invited talk, 30min)
		Dr Ikpe Justice Akpan: Formative Assessment as a Technique for Improving Student Engagement and Learning Effectiveness in Self-regulated E-learning Environment (invited talk, 30min)
		Dr Reza Holakouei: Looking ahead to 5G (industry talk, 30min)
16:20 - 18:30	COMM1	Ioannis Moscholios, Georgios Kallos, Maria Katsiva, Vassilios

Vassilakis, Michael Logothetis: Call Blocking Probabilities in a W-CDMA cell with interference cancellation and bandwidth reservation (20min)

Ioannis Moscholios, Vassilios Vassilakis, John Vardakas, Michael Logothetis: Multirate Retry Loss Models Supporting Elastic Traffic of Quasi-Random Input (20min)

18:30 - 20:00

Welcome reception at conference venue

## Day 2 (29.05)

Dr. Yuji Inoue: Official Opening (20min)

Prof. Fumiyuki Adachi: Recent Advances in Distributed Antenna Network for Gigabit Communications (keynote talk, 45min)

8:30 - 10:25

MOBILE1

Dr Abolfazl Mehbodniya: Dynamic Resource Allocation for 5G Green HetNet (invited talk, 30min)

Woon Hau Chin, Zhong Fan, Russ Haines: Emerging Technologies and Initiatives in R&D on 5G Networks (20min)

10:25 - 10:45

Coffee break

Prof. Toshitaka Tsuda: ICT for the Resilient Society (keynote talk, 45min)

Dr Kazue Sako: Security and Privacy for Human Society (industry talk, 30min)

10:45 - 13:00

ICT1

Dr Mamoun Guenach: Broadband access: Drivers and Challenges (industry talk, 30min)

Dr Fahim Kawsar: Understanding Urban Dynamics with Differential Trace Analysis (industry talk, 30min)

13:00 - 13:50

Lunch

Dr Haris Gacanin: Management Challenges of Self-Organizing Networks (industry talk, 30min)

Sergio Perez Jimenez, Jean Raphaël Olivier Fernandez, Lei Zhang, Ke Guan, Cesar Briso: Broadband measurements in tunnels for communications (LTE, DVB, WiMAX) (industry talk, 30min)

13:50 - 15:40

COMM2

Dr Dejan Vukobratovic: Methods for Reliable and Efficient Multimedia Delivery over LTE/LTE-A (industry talk, 30min)

Lei Zhang, Cesar Briso, Jean Raphaël Olivier Fernandez, Ke Guan: Channel Sounder and Broadband Measurements for Railway Systems (20min)

15:40 - 16:00

Coffee break

Dr Osamu Muta: Introduction of Research Activities on Wireless Communications in EJUST Center (invited talk, 30min)

Hui Xiao, Mythri Hunukumbure: Small Cell Operation Mode Control for Energy Saving in Heterogeneous Mobile Networks (20min)

16:00 - 17:30

MOBILE2

Hiraku Okada, Akito Yoshimoto, Kentaro Kobayashi, Masaaki Katayama, Kenichi Mase: Switching Methods for Semi-Fixed Rate Control in IEEE 802.11n Wireless Mesh Networks (20min)

Lukasz Lopacinski, Marcin Brzozowski, Rolf Kraemer, Joerg Nolte: 100 Gbps Wireless - Challenges to the data link layer (20min)

17:30 - 18:30

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IEICE EUS Meeting

19:00 - 23:00

Conference Dinner » **Młyńskie Koło**

## Day 3 (30.05)

Dr Grzegorz Mrugalski: Test compression, logic BIST, or hybrid (industry talk, 30min)

8:30 - 10:30

ELECT1

Dr Shinji Matsuo: Lasers for Datacom and Computercom Applications (industry talk, 30min)

Pascal Febvre: Design of a superconducting antenna integrated

with a diplexer for radio-astronomy applications (30min)

Dr Guy Torfs: Developments in clock and data recovery circuits for passive optical networks (invited talk, 30min)

10:30 - 10:40

Coffee break

Dr Werner Prost: Compound semiconductor nanowires for electronics and optoelectronics (invited talk, 30min)

Adam Panasiuk: Hello Tizen (invited talk, 30min)

Dr Sinan Sinanovic: From Information Theory to Information Practice (invited talk, 30min)

10:40 - 13:00

ICT2

Prof. Aleksandra Piżurica: Graphical models and message passing in compressed sensing (invited talk, 30min)

Aleksandar Latic, Aleksandra Piżurica: Dictionary learning techniques for painter style identification: case study on the Ghent Altarpiece (20min)

13:00 - 14:00

Lunch

Prof. Maciej Stasiak: Queuing Models for the Internet (keynote talk, 45min)

Dr Bamidele Adebisi: Acoustic Beamforming in Complex Dynamic Systems (invited talk, 30min)

Kentaroh Toyoda: Unsupervised Clustering-based SPITters Detection Scheme (invited talk, 30min)

14:00 - 16:35

COMM3

Takuma Koga, Kentaroh Toyoda, Iwao Sasase, Shinichiro Hara: Priority Based Routing for Forest Fire Monitoring in Wireless Sensor Network (20min)

Piotr Zwierzykowski, Maciej Piechowiak: Topology Control Protocols in Ad-Hoc Networks (20min)

Closing remarks (10min)

## Day 4 (31.05)

9:00 - 16:00

One-day trip » Poznań-Kórnik

All events in rooms 121 and 123 (Lecture-Conference Center).