Training School 2018

On

Emerging Technologies for 5G and Internet of Things

Venue: Conference Centre of Piraeus Bank (12-14 Katouni street, 546 25, Ladadika area)

Organized by

Computing Systems, Security and Networks (CSSN) Research Lab of the Alexander TEI of Thessaloniki (ATEITHE), the IEEE ATEITHE Student Branch and YL-Verkot Oy (Finland)

Program

Monday, October 22, 2018

10:00 – 10:15 **Opening Remarks by the organizers**
Dr. Periklis Chatzimisios, *Training School Organizer, Director of CSSN Research Lab, IEEE ATEITHE Student Branch Counselor, Alexander TEI of Thessaloniki*

10:15 – 12:00 **"Cooperative Energy Management in Smart Cities"**
Dr. John Vardakas, *Senior Researcher, Iquadrat Informatica S.L., Barcelona, Spain and* Dr. Christos Verikoukis, *Fellow Researcher, Telecommunications Technological Centre of Catalonia, Spain*

12:00 – 12:15 **Short break for networking**

12:15–13:00 **"The Application of Network Coding for Wireless Systems: The Impact of Cooperation"**
Miss Semiha Tedik Basaran, *PhD Researcher, Istanbul Technical University, Istanbul, Turkey*

13:00 – 14:00 **Lunch break**

14:00–15:00 **"LoRaWAN Solutions and Modern Ecosystem Solutions"**
Stefanidis George, *Co-Founder & Network Architect, IoTech Telecommunications G.P., Greece*

15:00–16:00 **"Exploring serverless service deployment in 5G for next generation media applications"**
Nick Zioulis, *Researcher, Centre for Research & Technology Hellas (CERTH)*

Tuesday, October 23, 2018

09:00 – 09:45 Plenary Talk "**Robust Crowdsensing for Intelligent Road Services**"
Professor Hossam S. Hassanein, *Queen's University, Canada*

09:45 – 11:15 Tutorial on **"Leveraging IoT Data in Tactile Internet operation"**
Assistant Professor Sharief Oteafy, *DePaul University, Chicago, USA*

11:15 – 11:30 **Short break for networking**

11:30 – 13:00 Tutorial on **"Leveraging IoT Data in Tactile Internet operation"**
Assistant Professor Sharief Oteafy, *DePaul University, Chicago, USA*

14:00 – 16:00 Tutorial on **"Toward Deterministic Traffic in 6TiSCH Networks"**
Associate Prof. Georgios Z. Papadopoulos and Prof. Nicolas Montavont, *IMT Atlantique, Rennes, France*

Wednesday, October 24, 2018

<u>09:00 – 09:45</u> Plenary Talk **"Recent advances in non-coherent massive MIMO"**

Professor Ana Garcia Armada, *University Carlos III of Madrid, Spain*

<u>09:45 – 11:15</u> **Attendance of the Session 6 in the GIIS 2018 conference**

Presentation of 4 research papers on Session "Emerging Topics in Internet of Things"

<u>11:15 – 11:30</u> **Short break for networking**

<u>11:30 – 13:15</u> **"xStream: a new platform for Application-aware Adaptive Network Slicing in 5G Systems"**

Dr. Evgeny Khorov, Senior Researcher, *Institute for Information Transmission Problems (IITP), Russian Academy of Sciences (RAS), Russia*

<u>13:15 – 14:00</u> **Lunch break**

<u>14:00 – 14:45</u> Plenary Talk "**How Reliability, Latency, Massiveness, and Blockchain are Transforming IoT Communication**"

Professor Petar Popovski, *Aalborg University, Denmark*

<u>14:45 – 15:30</u> Plenary Talk "Integrated Multi-Source Monitoring Framework for Critical Infrastructures"

Dr. Crosta Paolo Secondo, Head of Project Financing*, ItalTel Spa, Milan, Italy*

<u>15:30 – 15:45</u> **Short break for networking**

15:45 – 16:30 **Women in Communications Engineering (WICE) Panel**

Professor Ana Garcia Armada, *Panel Chair, University Carlos III of Madrid, Spain*

16:30 – 17:30 Tutorial on **"IoT in Agriculture: Current Issues and Perspectives"**

Dr. Dimitrios Zorbas, Senior Researcher, *Tyndall National Institute, Ireland*

Thursday, October 25, 2018

<u>09:00 – 19:00</u> **IEEE 5G and Internet of Things Thessaloniki Summit 2018**

The detailed agenda of the Summit will be announced very soon in **http://www.5gsummit.org/Thessaloniki/**