



Winter School on “Emerging Technologies for 5G and IoT”

Monday 14th and Tuesday 15th December 2020

Program

Monday 14th December

Welcome and Opening Session

13:00 – 13:05 (Greece time), 12:00 – 12:05 (CET)

Prof. Periklis Chatzimisios, International Hellenic University, Greece (*Training and Standardization Chair, TeamUp5G research project & IEEE Greece Communication Chapter Chair*)

Opening talk “TeamUp5G: Training and Research on New RAN Techniques for 5G Ultra-Dense Mobile Networks”

Talk “Recent advances in Non-Coherent massive MIMO”

13:05 – 14:00 (Greece time), 12:05 – 13:00 (CET)

Prof. Ana Garcia Armada, University Carlos III of Madrid, Spain (*Coordinator, TeamUp5G research project*)

Talk “From Internet of Everything to Everything over Internet?”

14:00 – 15:00 (Greece time), 13:00 – 14:00 (CET)

Prof. Charalampos Z. Patrikakis, University of West Attica, Greece

Talk “IoT impact on Crowd Management”

15:00 – 16:00 (Greece time), 14:00 – 15:00 (CET)

Prof. Nizar Zorba, Qatar University, Doha, Qatar

Talk “5G-enabled UAVs feasibility trials”

16:00 – 16:30 (Greece time), 15:00 – 15:30 (CET)

Dr. Harilaos Koumaras, Institute of Informatics and Telecommunications of NCSR “Demokritos”, Greece

Talk “Evolution of Converged Optical-Wireless Networks Towards 5G Fronthaul Network Architectures”

16:30 – 17:15 (Greece time), 15:30 – 16:15 (CET)

Dr. John Vardakas, Iquadrat, Barcelona, Spain

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Talk “Network analytics in 5G”

17:15 – 18:00 (Greece time), 16:15 – 17:00 (CET)

Dr. Costas Samdanis, Nokia Bell Labs, Germany

Talk “IoT in Agriculture: Current Issues and Perspectives”

18:00 – 18:45 (Greece time), 17:00 – 17:45 (CET)

Dr. Dimitrios Zorbas, Nazarbayev University, Kazakhstan

Talk “Reliability Issues and Challenges in IoT”

18:45 – 19:30 (Greece time), 17:45 – 18:30 (CET)

Dr. Vasos Vassiliou, University of Cyprus, Cyprus

Tuesday 15th December

Talk “Video Quality of Experience in 5G Networks”

12:00 – 13:00 (Greece time), 11:00 – 12:00 (CET)

Dr. Pablo Perez, Nokia Bell Labs, Spain

Talk “On-Demand Aerial Infrastructures: System Modeling and Experimentation”

13:00 – 14:00 (Greece time), 12:00 – 13:00 (CET)

Dr. Sergey Andreev, Tampere University, Finland

Talk “Task allocation on connected devices for IoT in Smart Cities”

14:00 – 15:00 (Greece time), 13:00 – 14:00 (CET)

Dr. Virginia Pilloni, University of Cagliari, Italy

Talk “Terahertz technologies for fiber quality of experience in wireless beyond 5G systems”

15:00 – 16:00 (Greece time), 14:00 – 15:00 (CET)

Dr. Alexandros-Apostolos Boulogeorgos, University of Piraeus, Greece

Closing Session

16:00 – 16:15 (Greece time), 15:00 – 15:15 (CET)

Prof. Periklis Chatzimisios, International Hellenic University, Greece

The *5G and Internet of Things Thessaloniki Week 2020* continues with:

- [IEEE 5G Thessaloniki Summit 2020](#) (Wednesday 16th December)
- [1st Training on Standards and Standardization](#) (Thursday 17th and Friday 18th December)

More information for both events:

https://teamup5g.webs.tsc.uc3m.es/events/5G_Internet_of_Things_Thessaloniki_Week_2020