



4th Annual CTIF-SEE Workshop and Meeting

Skopje, Macedonia

12-13 September, 2016

12 th September 2016	
9:00-9:20	Opening of the annual CTIF-SEE workshop <i>Prof. Ramjee Prasad</i> <i>Prof. Liljana Gavrilovska</i>
Session I: System solutions for future generation networks Session Chair: Prof. Vladimir Poulkov, TUS, Bulgaria	
9:20-9:45	Daniel Denkovski, Valentin Rakovic, Aleksandar Ichkov, Vladimir Atanasovski and Liljana Gavrilovska, "Radio Resource Management based on Radio Environmental Maps: Case of Smart-WiFi"
9:45-10:10	Mădălina Berceanu, Carmen Voicu and Simona Halunga, „The analysis of radio links using transparent relays in GNURadio"
10:10-10:35	Valentin Rakovic, Aleksandar Ichkov, Vladimir Atanasovski and Liljana Gavrilovska, "Analysis of virtual resource allocation for Cloud-RAN based systems"
10:35-11:00	Nikolay Dandanov, Georgi Balabanov, Krasimir Tonchev and Vladimir Poulkov, "A Survey on Software Frameworks and Communication Protocols for the Internet of Things"
11:00-11:30	Coffee break
Session II: IoT advances and health applications Session Chair: Assoc. prof. Vladimir Atanasovski, UKIM, Macedonia	
11:30-11:55	Ștefan-Ciprian Arseni, Alexandru Stancu, Alexandru Vulpe, Octavian Fratu, Simona Halunga, "Machine Learning and Software-Defined Networking for enabling Security in IoT Networks"
11:55-12:20	Octavian Fratu, Razvan Craciunescu, Valeriu Savu and Simona Halunga, "From neutrino detectors to IoT nuclear reactor detection systems in salt mines"
12:20-12:45	Konstantin Chomu, Vladimir Atanasovski and Liljana Gavrilovska, "Integrating the Data Timed Sending (DTS) protocol with Wake-up Radio (WUR) devices"
12:45-13:10	Agata Manolova, Nikolay Neshov, Vladimir Bogomolov, Teodora Sechkova, Krasimir Tonchev and Vladimir Poulkov, "Context-aware Human Centric Cyber Physical System for Health Monitoring"
13:10-14:15	Lunch
Session III: Novel techniques for wireless communications Session Chair: Prof. Octavian Fratu, UPB, Romania	
14:15-14:40	Stefanos Astaras, Aristodemos Pnevmatikakis and Zheng-Hua Tan, "Detection of events of interest from visual urban activity"
14:40-15:05	Alexandru Stancu, Alexandru Vulpe, Octavian Fratu and Simona Halunga, „Wireless Transport Emulator Based on LINC Software Switch"
15:05-15:30	Carmen Voicu, Mădălina Berceanu and Simona Halunga, „POCS estimation algorithm for Large MIMO System"
15:30-16:00	Coffee break
16:00-18:00	CTIF-SEE annual meeting <i>Discussions on potential H2020 applications</i>
20:00-23:00	Gala dinner (place TBA)
13 th September 2016	
9:00-10:00	CTIF-SEE annual meeting <i>Visit of the WiNGroup laboratory and testbed demonstrations</i>
10:00-11:00	CTIF-SEE annual meeting <i>Discussions on potential H2020 applications</i>
11:00-11:30	Coffee break
11:30-12:00	Closing of the CTIF-SEE meeting

* The annual CTIF-SEE workshop is co-sponsored by the IEEE R. Macedonia ComSoc Section.