



**Programme
Aegean-NetCom 2017**



3rd International Summer School on
Emerging Architectures and Key Technologies for 5G Networks

Pythagoreio Samos, Greece
28 August - 1 September 2017

Day	Date	Thematic Area	Title	Type	Start	End	Instructor		
1	Monday 28/08/2017	Radio Network Architecture & Technologies	Registration with coffee		09:00	09:30			
			Indoor radio coverage for mobile and PMR technologies	Lecture	09:30	11:00	Frédéric Chapron, CERN, Switzerland		
			Coffee break	-	11:00	11:30			
			Indoor localisation with TETRA technologies	Lab	11:30	13:00	Frédéric Chapron, CERN, Switzerland		
			Lunch break	-	13:00	14:30			
			Channel modelling and radio planning through raytracing for indoor and outdoor scenario	Lecture	14:30	16:00	Stavros Stavrou, Open University of Cyprus, Cyprus		
			Coffee break	-	16:00	16:30			
			Radio planning via TruNET	Lab	16:30	17:30	Stavros Stavrou, Open University of Cyprus, Cyprus		
2	Tuesday 29/08/2017	Network Technologies and Virtualization	Cloud Networks and Technologies	Lecture	09:30	11:00	Charalabos Skianis, University of the Aegean, Greece		
			Coffee break	-	11:00	11:30			
			NFV Management and Orchestration Platforms (MANO)	Lecture	11:30	13:00	Christos Tranoris, University of Patras, Greece		
			Lunch Break	-	13:00	14:30			
			Using a MANO to Deploy VNFs	Lab	14:30	16:00	Christos Tranoris, University of Patras, Greece		
			Coffee break	-	16:00	16:30			
			Using a MANO to Deploy VNFs	Lab	16:30	17:30	Christos Tranoris, University of Patras, Greece		
			Communication Techniques for ITS	Lecture	09:30	11:00	Athanasios Kanatas, University of Piraeus, Greece		
3	Wednesday 30/08/2017	Network Optimization	Coffee break	-	11:00	11:30			
			Communication Techniques for ITS	Lecture	11:30	13:00	Athanasios Kanatas, University of Piraeus, Greece		
			Lunch break	-	13:00	14:30			
			Relays and Cooperative Techniques for 5G Systems	Lecture	14:30	16:00	Demosthenes Vouvioukas, University of the Aegean, Greece		
			Coffee break	-	16:00	16:30			
			Relays and Cooperative Techniques for 5G Systems	Lab	16:30	17:30	Demosthenes Vouvioukas, University of the Aegean, Greece		
			Gala Dinner		20:30	00:00			
			Low Power Wide Area Networks	Lecture	09:30	11:00	George Karagiannidis, Aristotle University of Thessaloniki, Greece		
4	Thursday 31/08/2017	Network Architecture Design	Coffee break	-	11:00	11:30			
			Smart Grids: A Use Case for 5G Systems	Lecture	11:30	13:00	Lambros Sarakis, TEI of Central Greece, Greece		
			Lunch break	-	13:00	14:30			
			Smart Grids: A Use Case for 5G Systems	Lab	14:30	16:00	Lambros Sarakis, TEI of Central Greece, Greece		
			Coffee break	-	16:00	16:30			
			Smart Grids: A Use Case for 5G Systems	Lab	16:30	17:30	Lambros Sarakis, TEI of Central Greece, Greece		
			Single and multi-cell scheduling in LTE-A	Lecture	09:30	11:00	Dimitris Skoutas, University of the Aegean, Greece		
			Coffee break	-	11:00	11:30			
5	Friday 01/09/2017	Network Architecture Design	From LTE-A functionality to 5G preliminary deployment	Lecture	11:30	13:00	Spiros Louvros, Mobile Cloud & Network Services, Cyprus		
			Lunch Break	-	13:00	14:30			
			LTE-A special features for IoT	Workshop	14:30	16:00	Spiros Louvros, Mobile Cloud & Network Services, Cyprus		
			Coffee break	-	16:00	16:30			
			LTE-A special features for IoT	Workshop	16:30	17:30	Spiros Louvros, Mobile Cloud & Network Services, Cyprus		
			Closing Ceremony of the Summer School, Discussion and Project Assignment						