



**Programme
Aegean-NetCom 2016**



2nd International Summer School on
Emerging Architectures and Key Technologies for 5G Networks

Karlovasi, Samos, Greece
29 August - 2 September 2016

Day	Date	Thematic Area	Title	Type	Start	End	Instructor
1	Monday 29/08/2016	Radio Network Architecture & Technologies	Registration with coffee		09:00	09:30	
			The Role of Relays in 5G Systems	Lecture	09:30	11:00	Demosthenes Vouyioukas, University of the Aegean, Greece
			Coffee break	-	11:00	11:30	-
			MIMO Systems and applications	Lecture	11:30	13:00	Athanasios Kanatas, University of Piraeus, Greece
			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	-
2	Tuesday 30/08/2016	Energy and Network Optimization	Cognitive Systems for 5G Networks	Lecture	09:30	11:00	Angeliki Kordali, Nokia Networks, Greece
			Coffee break	-	11:00	11:30	-
			Infrastructure Sharing in 5G	Lecture	11:30	13:00	Christos Verikoukis, CTTC, Spain
			Lunch break	-	13:00	14:30	-
			IoT and Big Data: Applications, Technologies and Standards	Lecture	14:30	16:00	Periklis Chatzimisios, TEI of Thessaloniki, Greece
			Coffee break	-	16:00	16:30	-
			Discussion on Energy and Network Optimization	Round Table	16:30	17:30	Christos Verikoukis, Angeliki Kordali
3	Wednesday 31/08/2016	Network Technologies and Virtualization	Network Virtualization and Slicing for Emerging 5G Systems	Lecture	09:30	11:00	Konstantinos Samdanis, NEC Laboratories Europe, Germany
			Coffee break	-	11:00	11:30	-
			Cloud Networks and Technologies	Lecture	11:30	13:00	Charalabos Skianis, University of the Aegean, Greece
			Lunch Break	-	13:00	14:30	-
			Network Functions As-a-Service over Virtualised Infrastructures (SDN/NFV)	Lecture	14:30	16:00	Evangelos Pallis, TEI Crete, Greece
			Coffee break	-	16:00	16:30	-
			Network Functions As-a-Service over Virtualised Infrastructures (SDN/NFV)	Lab	16:30	17:30	Evangelos Pallis, TEI Crete, Greece
4	Thursday 01/09/2015	Software Networks	Gala Dinner		20:30	00:00	
			Software Engineering and Pervasive Computing	Lecture	09:30	11:00	Christos Goumopoulos, University of the Aegean, Greece
			Coffee break	-	11:00	11:30	-
			Software Engineering and Pervasive Computing	Lecture/Lab	11:30	13:00	Christos Goumopoulos, University of the Aegean, Greece
		Network Architecture Design	Lunch Break	-	13:00	14:30	-
			Single and multi-cell scheduling in LTE-A	Lecture	14:30	16:00	Dimitris Skoutas, University of the Aegean, Greece
			Coffee break	-	16:00	16:30	-
5	Friday 02/09/2015	Network Architecture Design	Single and multi-cell scheduling in LTE-A	Lab	16:30	17:30	Dimitris Skoutas, University of the Aegean, Greece
			Architectures and Protocols for Hybrid Optical Wireless	Lecture	09:30	11:00	Petros Nikopolitidis, Aristotle University of Thessaloniki, Greece
			Coffee break	-	11:00	11:30	-
			LTE Security: The road so far and the journey ahead	Lecture	11:30	13:00	George Kambourakis, University of the Aegean, Greece
			Lunch break	-	13:00	14:30	-
			Smart Grids: A Use Case for 5G Systems	Lecture	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			
Closing Ceremony of the Summer School, Discussion and Project Assignment							