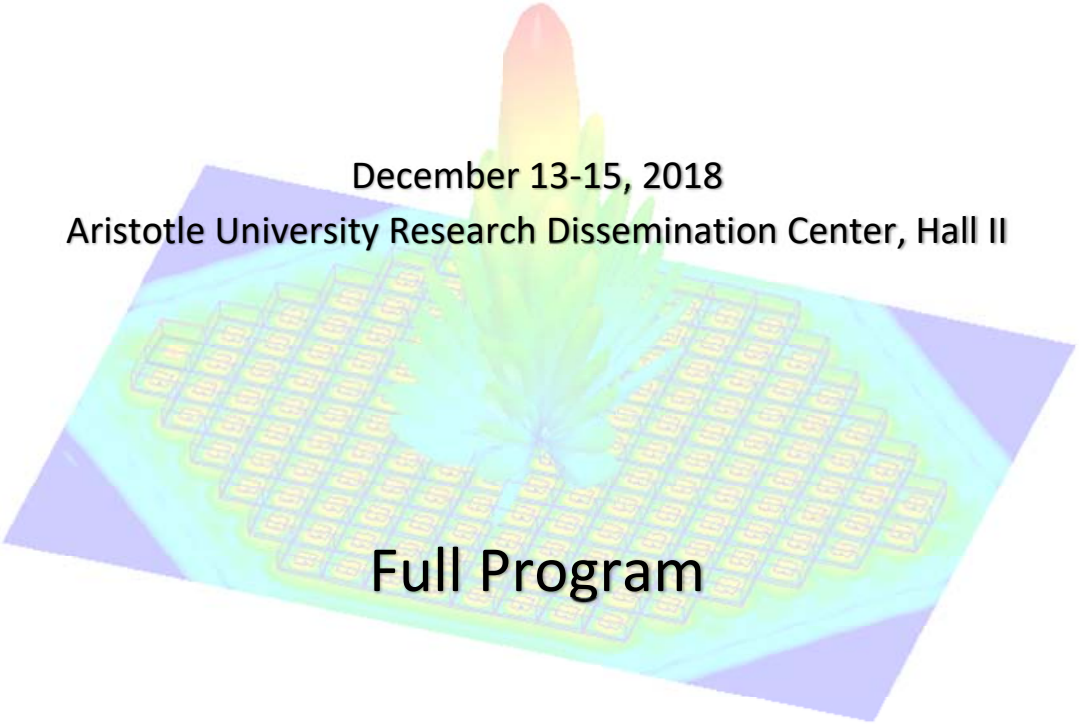
Seminar: “Antenna Design for Emerging Wireless Technologies: 5G, IoT, RFID, WLAN, WBAN”



December 13-15, 2018

Aristotle University Research Dissemination Center, Hall II

Full Program

Organizing Committee:

Prof. Sotirios K. Goudos, Aristotle University of Thessaloniki

Prof. George K. Karagiannidis, Aristotle University of Thessaloniki

Prof. Stavros Koulouridis, University of Patras, IEEE ED/MTT/AP Greece Chapter Chair

Prof. Traianos V. Yioultsis, Aristotle University of Thessaloniki

Date: 13/12/2018

Time	Title	Speaker
08:30 - 09:00	Registration	
09:00 - 09:30	Opening Session	
09:30 - 10:30	Interaction of Antennas and the Human Body in the Context of Wireless Body Area Networks	Prof. Theodoros Samaras
10:30 - 11:00	Coffee Break	
11:00 - 12:00	Evolutionary Algorithms and Applications to Antenna Design	Prof. Sotirios K. Goudos
12:00 - 13:00	Machine Learning Basics and Applications to Antennas and Propagation	Prof. Sotirios K. Goudos
13:00 - 15:00	Lunch Break	
15:00 - 16:00	Implantable Antennas, Design, Evaluation and Properties	Prof. Stavros Koulouridis
16:00 - 16:30	Coffee Break	
16:30 - 17:30	Theory and Design of Small Antennas for Modern Wireless Communications	Prof. Traianos V. Yioultsis

Date: 14/12/2018

Time	Title	Speaker
09:00 - 10:00	Introduction to Antenna Arrays, Antenna Array Classification, Short Review of Conventional Arrays and Synthesis Techniques	Prof. Andrea Massa, Prof. Giacomo Oliveri, Prof. Paolo Rocca
10:00 - 11:00	Conventional Array Synthesis - Uniform Linear Array (ULA)	Prof. Andrea Massa, Prof. Giacomo Oliveri, Prof. Paolo Rocca
11:00 - 11:30	Coffee Break	
11:30 - 12:30	Unconventional Array Synthesis - Clustered Arrays (Part 1/2)	Prof. Andrea Massa, Prof. Giacomo Oliveri, Prof. Paolo Rocca
12:30 - 15:00	Lunch Break	
15:00 - 16:00	Unconventional Array Synthesis - Clustered Arrays (Part 2/2)	Prof. Andrea Massa, Prof. Giacomo Oliveri, Prof. Paolo Rocca
16:00 - 16:30	Lunch Break	
16:30 - 17:30	MATLAB exercises (ULA, Clustered Arrays)	Prof. Andrea Massa, Prof. Giacomo Oliveri, Prof. Paolo Rocca

Date: 15/12/2018

Time	Title	Speaker
09:00 - 10:00	Unconventional Array Synthesis - Thinned Arrays	Prof. Andrea Massa, Prof. Giacomo Oliveri, Prof. Paolo Rocca
10:00 - 11:00	Antenna Arrays Applications & Conclusions	Prof. Andrea Massa, Prof. Giacomo Oliveri, Prof. Paolo Rocca
11:00 - 11:30	Coffee break	
11:30 - 12:00	MATLAB Exercises (Thinned Arrays)	Prof. Andrea Massa, Prof. Giacomo Oliveri, Prof. Paolo Rocca
12:30 - 13:00	Closing Session	