



19th European Doctoral School on Metamaterials

Engineering applications of metamaterials

Barcelona, Spain, October 14-15, 2011

Program:

Friday 14

Hour	Topic	Lecturer
09:00 - 09:15	Welcome and outline of the school	F. Martin
09:15 - 10:45	Recent advances in acoustic metamaterials and applications	J. S. Dehesa
10:45 - 11:15	Coffee break	
11:15 - 12:45	Super-resolution with metamaterial lenses: basic concepts and applications	R. Marqués
13:00 - 14:30	Lunch	
14:30 - 16:00	Examples of applications of split ring metamaterials to RF/microwave circuits: ultra wide band, multiband, RFID, RADAR and high speed digital systems. Part I	F. Martin
16:00 - 16:30	Coffee break	
16:30 - 18:00	Examples of applications of split ring metamaterials to RF/microwave circuits: ultra wide band, multiband, RFID, RADAR and high speed digital systems. Part II	J. Bonache
20:30	Dinner	

Saturday 15

Hour	Topic	Lecturer
09:00 - 10:30	Novel lenses using stacked cut-off hole arrays metamaterial for Millimeter Waves and Terahertz	M. Beruete
10:30 - 11:00	Coffee break	
11:00 - 12:30	3D Plasmonic oligomers and metamaterials and their applications as sensors and absorbers Part I and Part II	H. Giessen
12:30 - 13:30	Round table and concluding remarks	
13:30 - 15:00	Lunch	
15:00	Networking and informal visit to Barcelona	