SCHEDULE

Monday 6 June 2005: Compact antenna fundamentals and geometries

Hour	Topic	Lecturer
9-10	Course presentation	L. Jofre
10-11	Compact antennas for communication and sensing systems	L. Jofre
11-12	Compact antennas analytical methodologies	L. Jofre
12-13	Personal work and assignments: Example: Reconfigurable MEMS Multi-antenna system	L. Jofre
13-15	Lunch	
15-17	Miniature and fractal geometries	J.M. Rius
17-18	Example: Small multi-band fractal antenna	J.M. Rius

Tuesday 7 June 2005: Antenna design techniques

Hour	Topic	Lecturer
9-10	Numerical techniques for antenna design	D. Manteuffel
10-11	Antenna design for mobile terminals and equipments	D. Manteuffel
11-13	Personal work and assignments: Introduction to an FDTD based Simulator	D. Manteuffel W. Simon
13-15	Lunch	
15-16.30	Personal work and assignments: Numerical Design Example (1)	D. Manteuffel W. Simon
16.30-18	Personal work and assignments: Numerical Design Example (2)	D. Manteuffel W. Simon

Wednesday 8 June 2005: Miniaturization limits and strategies

Hour	Topic	Lecturer
9-11	Fundamental limits	A. Skrivervik
11-13	Personal work and assignments: Practical geometries	A. Skrivervik
13-15	Lunch	
15-17	Design strategies	A. Skrivervik
16.30-18	Personal work and assignments: Technology considerations	A. Skrivervik

Thursday 9 June 2005: Measurement techniques

Hour	Topic	Lecturer
9-10	Antenna measurement parameters	L. Jofre
10-11	Measurement of terminal antennas	A. Skrivervik
11-13	Practical consideration: Ground plane effects	L. Jofre
13-15	Lunch	
15-17	Antenna measurement Lab	S. Blanch
17-18	Personal work and assignments	S. Blanch

Friday 10 June 2005: Design of a prototype of compact antenna

Hour	Topic	Lecturer
9-11	Presentation of antenna design assignments	L. Jofre/A. Skrivervik
11-13	Final plenary discussion and conclusions	L. Jofre/A. Skrivervik
13-15	Lunch	