

Structural and Electrical Characterization of Devices

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Calendar

		Morning session	Afternoon session	
Date	Responsible (Schedule)	Unit	Responsible/ (Schedule)	Unit
Monday 09/02	C. Navarro (9:00-11:00)	Introduction to characterization. Basics of labs sessions	All (15:30-18:30)	Laboratory session 1
	C. Márquez (11:00-12:30)			
	R. Ortega (12:30-14:00)			
Tuesday 10/02	C. Navarro (9:00-10:30)	I-V characterization	All (15:30-18:30)	Laboratory session 2
	C. Márquez (10:30-12:30)	Material electrical characterization		
	R. Ortega (12:30-14:00)	Structural characterization I		

Calendar

		Morning session		Afternoon session	
Date	Responsible (Schedule)	Unit	Responsible/ (Schedule)	Unit	
Wednesday 11/02	C. Navarro (9:00-10:30)	C-V characterization	All (15:30-18:30)	Laboratory session 3	
	C. Márquez (10:30-12:00)	Reliability characterization			
	M. Caño (12:00-14:00)	Structural characterization II			
Thursday 12/02	All (10:00-13:00)	Laboratory session 4	All (15:30-18:30)	Laboratory session 5	

Calendar

		Morning session		Afternoon session	
Date	Responsible (Schedule)	Unit	Responsible/ (Schedule)	Unit	
Friday 13/02	All (10:00-13:00)	Laboratory session 6			
Friday 20/02	All (9:00-13:30)	Seminars			

Calendar

- ❑ During laboratory sessions #1-6, students will be split in groups:

- ❑ Laboratory sessions will include the following topics:
 - Laser and RAMAN characterization
 - Fiability characterization
 - Current-Voltage characteristics
 - Capacitance-Voltage characteristics
 - Atomic Force Microscopy (AFM)
 - Wire bonding