International PhD Excellence School "Italo Gorini"

Geneva, Switzerland, September 10-14 2018

Time Table

Time	Mon - 10 Sep	Tue - 11 Sep	Wed - 12 Sep	Thu - 13 Sep	Fri - 14 Sep
9:00 AM	Registration	**G. Rumolo** Beam dynamics and measurement techniques for LHC and its High Luminosity Upgrade	**M. Bastos and M. Martino** Measurement and Acquisition for High Precision Power Converter Current Regulation for Particles Accelerators	**L. Bottura** Measurement of Normal and Superconducting Magnets - A Tool for Engineering Design and Qualification	**L. De Vito** Monitoring the magnetic axis misalignment in particle accelerator solenoids
9:30 AM					
10:00 AM					
10:30 AM		Break	Break	Break	Break
11:00 AM	**F. Iaccarino** LSM6DSR: accuracy in remote, low power sensing by using embedded hard-wired pre-processing	**S.Russenschuck and M. Buzio** Mathematical foundations of field computation and magnetic measurements for accelerator magnets	**F. Roncarolo** State of the art of research on beam instrumentation	**M. Di Castro** Real-time Monitoring Systems for Augmented Reality and Robotics in Particle Accelerators	**Final Examination**
11:30 AM					
12:00 PM					
12:30 PM	Lunch	Lunch	Lunch	Lunch	
1:00 PM					
1:30 PM					
2:00 PM	**L. Rossi** Perspectives of Instrumentation and Measurements in New CERN Accelerators	Visits to the magnet facility and to the mechanical and magnetic measurement laboratories	**A. Ballarino** Superconducting materials for application to magnets: overview of HTS and LTS superconductors and of related measurements tecniques	Visits to the Antiproton Decelerator (AD) hall and to the Cryolab	
2:30 PM					
3:00 PM					
3:30 PM	Break		Break		
4:00 PM	**G. Iacobucci** Silicon sensors in collider experiments for Science and Health	**Poster Session**	**M. Pezzetti** State of the art of research on cryogenics monitoring		
4:30 PM					
5:00 PM					
5:30 PM					
6:00 PM					
6:30 PM		Poster session buffet			
7:00 PM					
7:30 PM	Dinner			Dinner	
8:00 PM			Social Dinner		