

6th Summer School on INtelligent signal processing for FrontIER Research and Industry

Monday, 23 August 2021

LABS PRESENTATION: PRESENTATION of the LAB SESSIONS by all the LABs ORGANIZERS - Auditorium of Faculty of Biology (14:30 - 19:30)

-Conveners: Jose DEL PESO; Aurore SAVOY-NAVARRO

time	[id] title	presenter
14:30	[68] RD53 Pixel Front-End Characterization	Prof. GAIONI, Luigi Prof. RE, Valerio
14:36	[69] FD-SOI Pixel Detector	Dr ANDROSOV, Konstantin UNNO, Yoshinobu
14:42	[70] Thin Moderate Gain Ultrafast Timing detectors	Dr PELLEGRINI, Giulio Dr MOFFAT, Neil Dr FERNANDEZ MARTINEZ, Pablo Prof. GRINSTEIN, Sebastian
14:48	[71] Introductory Computer Lab to Silicon Photonics Integrated Circuitss	Prof. BOGAERTS, Wim
14:54	[72] Artificial Intelligence-on Chip: Physics Driven Hardware Codesign	Dr FAHIM ET AL., Farah Dr DI GUGLIELMO, Giuseppe BLANCO VALENTIN , Manuel Dr TRAN, Nahn Prof. MEMIK, Seda O.
15:00	[73] Quantum Communication Lab	Dr BRITO MENDEZ, Juan Pablo Dr ORTIZ, Laura Prof. MARTIN, Vicente
15:06	[74] Fast clock transmission systems for HL-LHC	Dr SAHIN, Mehmet Ozgur
15:12	[75] Light Detection & Ranging (LiDAR)	Dr UNNO, Yoshinobu
15:18	[76] Getting started with μ controllers	Dr CALLIGARIS, Luigi
15:24	[77] EASy-Silicon Strip Sensor Testbench	Dr LACASTA LLACER, Carlos Dr GARCIA, Carmen
15:30	BREAK/Q&A;	
15:36	[78] Charged Particle Track Reconstruction in an FPGA	Dr FEDI, Giacomo Dr TOMALIN, Ian
15:42	[79] Triggerless system: HLT GPU based:	Dr MARTINEZ SANTOS, Diego Prof. VILASIS CARDONA , Xavier
15:48	[80] IA tools & real-time HEP Trigger	Dr HAWKS, Benjamin Dr NGADIUBA, Jennifer Dr MITRIEVSKI, Jovan Dr TRAN, NHAN Dr JINDARIANI, Sergio
15:54	[81] High Granularity Calorimeter Signal Processing, with M.L. based Reconstruction in the CMS HGAL	Dr ZABI, Alexandre Dr GHOSH, Shamik

16:00	[82] Dark Energy Spectroscopic Instruments, DESI: Quasar Identification	Dr PEREZ RAFOLS, Ignasi
16:06	Coffee break	
16:30	[83] Characterization of a CCD (Charge-Coupled Device) Camera	Dr LE VAN SUU, Auguste Dr CUBY, Jean Gabriel
16:36	[84] Remote Astronomical observations with a 50cm Telescope at Observatoire of Haute Provence (IRiS), After Lab hours (night)	Dr VAN LE SUU, Auguste CUBY, Jean Gabriel
16:42	[85] Clinical Positron Emission Tomography/Magnetic Resonance Imaging: Acquisition and Quantification	Prof. TORRADO CARVAJAL, Angel Prof. MALPICA, Norberto
16:48	[86] In Silico Deep Brain Stimulation (DBS)	Dr ORTEGA PONCE, Daniel
16:54	[87] Irradiation of a Bio Material using a Proton Beam and characterization of the damage produced for proton therapy pre-clinical studies	Dr GARCIA , Gaston Prof. YNSA, Maria Dolores Dr CRESPILO, Miguel Prof. MANSO, Miguel Dr VINALS, Silvia
17:00	[88] Digital Positron Emission Tomography	Prof. D'ASCENZO, Nicola
17:06	[89] Design of Electronics for Portable Reflectance Pulse Oximetry and Electrocardiography systems	Dr REDONDO, Andres Prof. GARCIA, Basilio Javier Prof. PAU, Jose Luis
17:12	[90] Designing a super-conducting magnet	OLIVER, Concepcion Dr GARCIA-TABARES, Luis
17:18	[91] Applied Superconductivity	Dr OLIVER, Concepcion Dr GARCIA TABARES, Luis
17:24	[92] Beam Dynamics for CMAM accelerator	Dr ARTECHE GONZALEZ, Alberto Dr OLIVER, Concepcion Dr GARCIA, Gaston Dr NEVAY, Laurence Dr SHIELDS, William
17:30	BREAK/Q&A;	
17:36	[93] Can we feel Dark Matter?	CASAS, Alberto Dr CERDENO, David
17:42	[94] Higgs Physics in the Standard Model and Beyond	CASAS, Alberto Dr BAGNASCHI, Emanuele Angelo Dr HEINEMEYER, Sven
17:48	[95] Massive Parallel Computing: Fundamentals of parallel programming using INTEL Architecture and Software tools	Dr IOPE, Rogerio
17:54	[96] Quantum Computing Lab: Enjoying the IBM Quantum Experience	Dr LOPEZ MANZANARES, Esperanza Prof. SIERRA, German
18:00	[117] FINAL LABS REGISTRATION by the SCHOOL ATTENDEES	