7th edition of the cross-disciplinary International Summer School INFIERI series

Monday, 28 August 2023

Introductory presentation of all the Hands-on Labs for INFIERI2023: Introductory presentation of all the Hands-on Labs for INFIERI2023 (14:00 - 18:30)

-Conveners: Aurore Savoy Navarro; Gustavo Paganini Canal

time	[id] title	presenter
14:00	[62] THE HANDS on LABS and start of THE SCHOOL TRAINING PROGRAM: INTRODUCTORY REMARKS	SAVOY NAVARRO, Aurore Prof. PAGANINI CANAL, Gustavo
14:18	[63] Masterclass on High Energy Physics	Prof. D'ELIA MATHEUS, Ricardo
14:27	[64] Masterclass on Plasma Physics	Dr DUARTE, Vinicius Njaim
14:36	[66] CHARACTERIZATION OF ELECTRONIC DEVICES:Single Event Effect in a Commercial MOSFET	Prof. MEDINA, Nilberto H.
14:45	[68] Hyperfine Interactions Laboratory	Prof. CARBONARI, Artur W.
14:54	[67] LiDAR: Light Detection And Ranging	Prof. UNNO, Yoshinobu
15:03	[72] Charged Particle Track Reconstructionin an FPGA	Dr TOMALIN, Ian
15:12	[73] Characterization of innovative scintillating materials and data analysis introduction	Dr DIOCIAIUTI, Eleonora
15:21	[74] HYPERKAMIOKANDE NEUTRINO EXPERIMENT IN JAPAN:: Hands-on lab with photon counting by a photo-multiplier tube	Dr KATORI, Teppei
15:30	[86] LOFAR EVENT RECOGNITION and RECONSTRUCTION USING AI TOOLS.	Dr WILLIAMS, Wendy
15:39	[76] Experimental evaluation of internal combustion engine efficiency comparing pure gasoline and bio-ethanol as fuels	ROMIO, Renato
15:48	[78] Determination of U and Th using Neutron Activation Analysis	Dr CARDOSO DA SILVA., Paulo Sergio
15:57	[77] Measuring the temporal evolution of a plasma induced laser	Dr SAMAD, Ricardo
16:06	[94] Measuring the electron distribution function in the edge of the Tokamak TCABR plasmas using Langmuir probes	Prof. PAGANINI CANAL, Gustavo
16:15	COFFEE/TEA BREAK	
16:40	[81] GPU Programming with OpenMP	Prof. SENGER, Hermes
16:50	[82] FPGA-based acceleration of scientific applications using OpenMP cluster	Prof. RIGO, Sandro
16:59	[83] Introductory Computer Lab to Photonic Integrated Circuits	Prof. BOGAERTS, Wim
17:10	[92] Artificial Intelligence-on chip: Physics driven hardware co-design	CAMPOS, Javier Ignacio
17:20	[70] Tutorial on Neural Networks	Dr SAHIN, Mehmet Ozgur
17:30	[85] Physics-Informed Neural Networks for the solution of Differential Equations	Prof. SPROESSER MATHIAS, Marlon

17:40	[87] INTRODUCTION TO QUANTUM COMPUTING USING THE ATOS QLM (QUANTUM MACHINE SIMULATOR)	FERNANDES DE JESUS, Gleydson
17:50	[91] QUESTIONS TO THE LAB ORGANIZERS??	