

3rd International Summer School on INtelligent Signal Processing for FrontIEr Research and Industry

Monday 14 September 2015 - Friday 25 September 2015

**Hamburg
Programme**

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SPECIAL POSTER SESSION - SR4 2nd Floor (12:30-14:30)

The presentation of the Posters are presented in this session during which sandwiches will be served. A number of the students attending the School did prepare a Poster for the school on their current research work.

The posters are currently included in this section with the photographs taken in the SR4 2nd Floor Room where they were posted during the full duration of the School and in the order of presentation. They have been largely seen and commented by the students themselves and the Lecturers during the whole school.

They represent a certain amount of the large scope work covered by the students that attended the school. They include mainly young researchers from Astrophysics, Particle and Medical Physics and also some young engineers working as well in the related technological areas in collaboration with these research fields.

The ,pdf version of the posters will be added in the next few days by their authors.

time	title	presenter
12:30	Development of a Data Compressor for the CMS Phase II Pixel Detector	POULIOS, Stamatios
12:35	Development of Coincidence Sorter and Communication Protocol between the Boards on PET System	KOSTARA, Elefetheria
12:40	The Use of Gold Nanoparticles and Spectroscopic Detectors in Contrast-enhanced Digital Mammography	DUMMOTT, Louise
12:45	Circuit Data Flow (CIDAF): A generic, flexible, discrete-time simulator	CALLIGARIS, Luigi
12:50	Microwave Kinetic Inductance Detectors for Astronomy	DODKINS, Rupert
12:55	Multi-Grid High Gas Proportional Scintillation Counter: A New Approach	VENTURA CORTEZ, Andre Filipe
13:00	Development of an Intelligent Platform Management Controller for the Pulsar IIB	COSTA DE PAIVA, Thiago
13:05	Data Sourcing Firmware for CMS L1 Tracking Trigger	COSTA DE PAIVA, Thiago
13:10	Simulations, Testing and Results for the Pixelization of LYSO Crystals for Gamma Detectors Using the Sub-Surface Laser Engraving Techniques	KONSTANTINOU, Georgios
13:15	Integration of the Camera Backplane of the Gamma Cherenkov Telescope for the Cherenkov Telescope Array	DE FRANCO, Andrea
13:20	Search for Narrow High Mass Resonances Decaying to Z and Higgs Bosons	BERNARDES, Cesar
13:25	Simulation of a Silicon Sensor Edge-on Illuminated with an X-Ray Beam	DONI, Michele
13:30	SiPM-MAROC gamma-camera prototype with Monolithic NaI(Tl) scintillator	PHILIPPOV, Dimitry
13:35	2.5Gb/s Optical Wireless Communication System for Particle Detectors in High Energy Physics	ALI, Wahajat
13:40	Light Weight Radiation Sensors	GIROLETTI, Chiara
13:45	Muon Tomography	GIROLETTI, Alessia
13:50	Edge Studies on Sensors for the LHCb VELO Upgrade	DELL'OCCO, Elena

13:55	LHCb VELO Upgrade	BUCHANAN, Emma
14:00	A Pattern Recognition Mezzanine Based on Associative Memory FPGA Technology for L1 Track Triggering at HL-LHC	FEDI, Giacomo
14:05	NEXT: The Front-End Electronics for the 1.8-kchannel SiPM Tracking Plane in the NEW Detector	RODRIGUEZ SAMANIEGO, Javier
14:10	Demonstrator Plans for FPGA-Based L1 Track-Finding with Hough Transform	CIERI, Davide
14:15	Development of Novel Pixel Sensors based on 3D CMOS Technology for Tracking Devices	VIGNETTI, Matteo