



# 10th International "Hiroshima" Symposium on the Development and Application of Semiconductor Tracking Detectors, Xi'an, China

## Saturday, 26 September 2015

**After dinner POSTER session, with drinks: (All presenters are requested/encouraged to attend their posters; All participants are requested to participate the session, with drinks!): POSTER size: 80cm (wide)×120cm (high) - Multi-function Hall (19:00 - 21:00)**

-Conveners: Stephen McMahon; Marcela Mikestikova

time	[id] title	presenter
19:00	POSTERS: Simulations and Manufacturing:	
19:01	[27] 3D simulation and modeling of ultra-fast 3D silicon detectors	Ms LIU, Manwen
19:02	[28] Modeling and simulation of spiral Si Drift Detector	XIAO, Ren
19:03	[29] The new low-capacitance silicon pixel detector performance simulation	BO, Xiong
19:04	[33] 3D simulation of electrical characteristics for detector of combining silicon biasing adaptor with silicon drift detector	LI, Yuyun
19:05	[63] A Novel CMOS Electrode Readout Scheme for High Purity Germanium Detectors	Ms FAN, Yan
19:06	POSTERS: Pixels (including CCD's) - X-ray imaging:	
19:07	[59] Development of X-ray Imaging system with SOI Pixel Detectors	NISHIMURA, Ryutaro
19:08	[80] Soft X-ray performance of Back-illumination type of the Kyoto's X-ray Astronomical SOIPIXs	Dr ITOU, Makoto
19:09	[81] Reducing the cross-talk between the sensor and circuit layers in the Kyoto's X-ray Astronomical SOIPIXs	Dr OHMURA, Shunichi
19:10	POSTERS: Pixels (including CCD's) - Charged particle tracking:	
19:11	[14] Development of planar pixel modules for HL-LHC	MACCHIOLO, Anna
19:12	[21] CMS Pixel Upgrade for the Phase I: Module Production and Qualification	MINANO MOYA, Mercedes
19:13	[23] CMS FPix sensor study for phase I upgrade	Dr YI, Kai
19:14	[82] Test-beam evaluation of newly developed n+-in-p planar pixel sensors aiming for use in high radiation environment	KIMURA, Kimihiko
19:15	[94] A Novel Source-Drain Follower for Monolithic Active Pixel Sensors	GAO, Chaosong
19:16	[99] Study of built-in amplifier performance on HV-CMOS sensor for the ATLAS Phase-II Strip Tracker Upgrade	LIANG, Zhijun
19:17	POSTERS: Strips:	
19:18	[13] Bonding Study towards Quality Assurance of the Belle-II Silicon Vertex Detector Modules	Mr KANG, Kookhyun
19:19	[20] Embedded pitch adapters: a high-yield interconnection solution for strip sensors	ULLAN COMES, Miguel
19:20	[73] Noise evaluation of silicon strip super-module with ABCN250 readout chips for ATLAS detector upgrade at high luminosity LHC	TODOME, Kazuki
19:21	POSTERS: New materials, New technologies:	

19:22	[56] Performance evaluation of newly developed SrI2(Eu) scintillator	TAKABE, Miho
19:23	[37] Beam Test Results of the Dependence of Signal Size on Incident Particle Rate in Diamond Pixel and Pad Detectors	BACHMAIR, Felix Caspar
19:24	[102] Semiconductor simulation of charge collection mechanism in CVD diamond detector	YONG, Li
19:25	POSTERS: Electronics:	
19:26	[1] The VeloPix ASIC for the LHCb VELO Upgrade	CID VIDAL, Xabier
19:27	[5] Results on 3D interconnection from AIDA WP3	MOSER, Hans-Guenther
19:28	[58] Development of a low-noise, area efficiency, 4-order readout circuit for silicon pixel detectors	Dr WANG, JIA
19:29	[87] Design of Low Noise and Low Area Preamplifier-Shaper in Readout ASICs for CdZnTe Semiconductor X-ray and $\gamma$ -ray Detectors	Dr WANG, Jia
19:30	[71] A 4 x 8 Gbps VCSEL Array Driver ASIC and Integration with A Custom Array Transmitter Module for the LHC Front-end Transmission	Dr GUO, Di
19:31	[75] Development of Low-noise High-speed Analog ASIC for X-ray CCD Cameras and Wide-band X-ray Imaging Sensors	Dr NAKAJIMA, Hiroshi
19:32	[101] A low-latency and low overhead encoder ASIC for the serial data transmission in ATLAS LAr calorimeter	XIAO, Le
19:33	POSTERS: Radiation damage, Environmental monitoring:	
19:34	[18] Compensation for radiation damage of SOI pixel detector via tunneling	Dr YAMADA, Miho
19:35	[53] Characteristics and Total Ionizing Dose Compensation of Double Silicon-on-Insulator Integration Type Sensor	ASANO, Mari
19:36	[24] Laser Irradiation Experimental Studies on DDR3 for Xilinx Zynq-7010 SoC Microzed	Mrs LIU, Shuhuan
19:37	[85] proton radiation damage test studies on Si MCZ detector	Mrs LIU, Shuhuan
19:38	[50] Degradation Enhancement of Gate-controlled Lateral PNP Bipolar Transistors Induced by Mixed Irradiation of Neutron and Gamma	Ms WANG, Chenhui
19:39	[67] The Effects of Gamma Irradiation on Neutron Sensitivity of Lateral PNP Bipolar Transistors: Investigations and Simulations	Ms WANG, Chenhui
19:40	[64] Synergistic Effect of Mixed Neutron and Gamma Irradiation on Bipolar Operational Amplifier OP07	Mr LIU, Yan
19:41	[69] Comparison of Single Event Effects on 28-nm SoC Under Different Radiation Environments	ZHANG, Yao
19:42	[92] Single Event Effects Studies on 28-nm SoC Induced by Low Energy Proton Irradiation	ZHANG, Yao
19:43	[51] Modeling and Simulation of Radiation Effects on Si PIN Photodetectors Induced by Neutron Beams and $\gamma$ Ionization Pulses	Dr WANG, zujun
19:44	[76] Aging and Environmental Tolerance of Optical Transmitter for the ATLAS Phase-I upgrade at LHC	HOU, Suen
19:45	POSTERS: Applications in High Energy Physics, Space, Medical, Material sciences:	
19:46	[22] Prototypes and system test stands for the Phase 1 upgrade of the CMS pixel detector	HASEGAWA, Satoshi
19:47	[46] Impact Parameters Simulation for the Turkish Accelerator Center Particle Factory Tracker System	TAPAN, Ilhan

19:48	[4] Pre-clinical Results with the Proton CT Head Scanner	SADROZINSKI, Hartmut
19:49	[78] Study of a Detector System for High-Energy Astrophysical Objects Using a Combination of Plastic Scintillator and MPPC	NAKAOKA, Tatsuya
19:50	[10] Proton Single Event Effects testing of Xilinx Zynq-7010 System-on Chip	DU, Xuecheng
19:51	[43] Soft Error Evaluation and Vulnerability Analysis in Xilinx Zynq-7010 System-on Chip System	DU, Xuecheng
19:52	[83] Evaluation of image quality for FPD based low dose mobile C-arm CT system	Dr CHA, Bo Kyuyng
19:53	[84] X-ray performance evaluation of a wafer-scale CMOS flat panel imager for applications in medical imaging and nondestructive testing	CHA, Bo Kyung
19:54	[89] Investigation of radiation dose and image quality in flat detector-based fluoroscopy and cone beam CT system	CHA, Bo Kyung
19:55	[86] Development and Verification of Signal Processing System of Avalanche Photo Diode for the Active Shields onboard ASTRO-H	OHNO, Masanori
19:56	[88] Modeling the Response Function for Soft X-ray Imager onboard ASTRO-H Satellite	INOUE, Shota
19:57	[100] Soft X-ray quantum efficiency of X-ray CCD onboard ASTRO-H	KOHMURA, Takayoshi

# Monday, 28 September 2015

**After dinner POSTER session, with drinks: (All presenters are requested/encouraged to attend their posters; All participants are requested to participate the session, with drinks!) - Multi-function Hall (20:30 - 21:30)**

-Conveners: Stephen McMahon; Marcela Mikestikova