

21st International Workshop on Radiation Imaging Detectors

Monday 8 July 2019

Poster Exhibition 1: Posters ID 1 - 80, chair: Christer Frojdh (16:25 - 17:55)

time	[id] title	presenter
16:35	[2] Development and characterization of CMOS Sensors for Electron Microscopy	MATEOS, Horacio
16:36	[3] Evaluation of UO ₂ for Solid-State Direct-Conversion Neutron Detection	Mr SHAVER, Christopher
16:38	[5] Spatial resolution improvement of gamma camera with diverging collimator using tapered crystal array	LEE, Seungjae
16:40	[6] Gamma photons energy measurement in Laser Produced Plasmas: a novel approach using a Timepix3 detector and Geant4-based simulations	Dr CORDELLA, Francesco
16:41	[10] Design of a novel column-parallel ADC in the MAPS for full-image beam monitoring	Mrs WANG , Xiuhua
16:43	[16] Performance of silicon photomultipliers from different manufacturers at low temperature	Mr NURUYEV, Sebuhi
16:45	[17] PULSE SHAPE ANALYZING SYSTEM FOR A GRIDDED IONIZATION CHAMBER	Mr CHUPRAKOV, Igor
16:47	[19] The new physical model to study the performance of avalanche photodiodes with single photoelectron detection.	Mr AHMADOV, Farid
16:49	[21] X-ray Imaging of Metal Whiskers Using Large Area Photon Counting Detectors Timepix	Mr HASN, Salman
16:51	[23] Resolution Limits of a single crystal scintillator based X-ray Microradiography Camera	Mr TOUS, Jan
16:53	[29] Characteristics of Organic Photodetector with Conjugated Donor and Non-fullerene Acceptor	Mr YOO, Kyunghan
16:55	[31] Improvement of Sensitivity of Indirect-type Organic X-ray Detector Using Amorphous IGZO Interfacial Layer	JUNGWON, Kang
16:57	[36] Design of a novel centroid finder in the MAPS for heavy-ion experiments	Ms LI, Ronghua
16:59	[37] Effects of energy weighted dual-energy subtraction images with indirect photon-counting detector in mammography	Prof. KIM, Daehong
17:01	[41] Development of a pixel readout ASIC for CZT detectors for spectral X-ray photon-counting imaging applications	WANG, Xuezhi
17:03	[42] Development and Evaluation of Large area Flexible Dosimeter for Surface Dose Measurement in Radiotherapy	Mr HAN, MOO JAE Mr SHIN, YOCHAN Prof. PARK, SUNG KWANG
17:05	[44] A numerical approach to estimate the absorbed dose distribution in cone-beam computed tomography	KIM, Jinwoo
17:07	[45] Soft-tissue radiography using multi-scale convolutional neural networks	Mr HA, Seungwooha
17:09	[46] X-ray interaction characteristic functions in semiconductor detectors	KIM, Jinwoo
17:11	[47] Zooming radiography with less artifacts using convolutional neural networks	Mr HA, Seungwoo
17:13	[48] High-resolution industrial radiography using convolutional neural networks	HA, Yunu

17:15	[49] Task-based detectability-combined cascaded-systems model for the design of sandwich detectors for single-shot dual-energy imaging	KIM, Dong Woon
17:17	[50] Simulation study on SOI based electron tracking Compton camera using deep learning method	SHIMAZOE, Kenji
17:19	[51] Response of HR-GaAs:Cr sensors to subnanosecond γ - and β -ray pulses	Mr CHSHERBAKOV, Ivan
17:21	[55] Design of partially pixelated scintillators for high-resolution imaging with less aliasing effect	Prof. KIM, Ho Kyung
17:23	[56] Improvement of a Spectrum-to-Dose Conversion Function for Electronic Personal Dosimeters	Mr PARK, Kyeongjin
17:25	[57] Scintillation read out with MAPD array for gamma spectrometer	AKBAROV, Ramil
17:27	[59] Thermal vacuum testing of Timepix family based detectors	Mr URBAN, Martin
17:29	[60] New digital algorithms for achieving sub-pixel resolution in hybrid pixel detectors working in single photon counting mode.	Ms NIEDZIELSKA, Aneta
17:31	[64] Proton tracking UFXC32k Hybrid Pixel Detector	Dr KOZIOL, Anna
17:33	[66] Design of a fast neutron activation analysis system with a gamma-ray detector for the detection of explosives	OH, Kyungmin
17:35	[68] Instrument efficiency variations with different probe areal phoswich detectors for simultaneous alpha/beta detection	Mr KIM, Wooseub
17:37	[71] Time-Performance Design and Study of Ultra-Wideband Amplifiers for SiPM	BROGNA, Andrea S.
17:39	[73] Study of neutron-rich isotopes near the neutron N=152 shell closure using Timepix type detectors integrated in the MASHA experiment	Mr MICHAEL, Holik
17:41	[74] Spectroscopic characterization of GaAs/AlGaAs avalanche photodiodes with separate absorption and multiplication regions	NICHETTI, Camilla
17:43	[75] 3-D visualization of radioactive substances by integrating gamma-ray imaging technology and Structure from Motion	Dr SATO, Yuki
17:45	[76] Bone surface-based volume stitching in dental computed tomography with improved image quality	Mr PARK, Chulkyu
17:47	[77] Designing a first Mexican SiPM Data Acquisition System - MexSiC	Mr ROSALES-NUNEZ, Sergio A.
17:49	[78] Digital tomosynthesis (DTS) reconstruction using deep learning with convolutional neural network	PARK, Soyoun
17:51	[79] Effective design of the noise reduction collimator for high dose environments	Ms LEE, Minju
17:53	[80] Study on Availability of Monte-Carlo Simulation for Attenuation Correction of Brain-Dedicated PET	Mr KO, Kilyoung