

Session Program

7-12 Jul 2019



21st International Workshop on Radiation Imaging Detectors

***Poster Exhibition 2, Posters ID 81 - 182,
chair: Christer Frojdh***

Wednesday 10 July

15:55

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Session | Location:

15:55-15:57

Improving spatial resolution by predicting the initial position of charge sharing effect in photon counting detectors

Speaker

Mr Giyoon Kim

15:57-15:59

Performance evaluation of total variation noise reduction algorithm with self-produced AAPM computed tomography phantom by using 3D printer

Speaker

Mr Seong-Hyeon Kang

15:59-16:01

Prompt gamma imaging with gamma electron vertex imaging system for proton beam range monitoring

Speaker

Ms Lee Han Rim

16:01-16:03

S3 - detector of reactor antineutrinos

Speaker

Mrs Maria Slavickova

16:03-16:05

A new method for assessing radioactive contamination of human body using an artificial neural network

Speaker

Minju Lee

16:05-16:07

Contrast resolution limits of Timepix detector based on semi-insulating GaAs material sensor

Speaker

Dr Bohumir Zatko

16:07-16:09

Development and imaging optimization of X-ray intraoral imaging sensor for dental tomosynthesis applications

Speaker

Prof. Chang-Woo Seo

16:11-16:13

SiC based charged particle strip spectrometer with neutron detection capability

Speaker

Mr Tomas Slavicek

16:13-16:15 PERCIVAL: possible applications in X-ray micro-tomography**Speaker**

Giovanni Pinaroli

16:15-16:17 Analogue and digital approach of gas gain in Ne - CO₂ mixtures.**Speaker**

Dr Tadeusz Kowalski

16:17-16:19

Characterization of Sintef 3D diodes with trenches geometry before and after neutron irradiation**Speaker**

Roberto Mendicino

16:19-16:21

Topography and Angular Dependence on synchrotron soft XRF imaging**Speaker**

Dr George Kourousias

16:21-16:23

Development of a characterization set-up for testing position sensitive silicon micro-strip sensors at the University of Delhi**Speaker**

Dr Kumar Ashok

16:23-16:25

Super-resolution X-ray imaging with a hybrid pixel detector**Speaker**

Mr Till Dreier

16:25-16:27

Quick turn-around ultrathin entrance window postprocessing of wafers and single dies a dream?**Speaker**

Cornelia Wunderer

16:27-16:29

Multi-energy X-ray imaging for high-Z elements identification**Speaker**

Mrs Doubravova Daniela

16:29-16:31

Overview of the CMS BCML system and the potential of pCVD diamond detectors surface modification**Speaker**

Vitalii Okhotnikov

16:31-16:33

Radiation hardness limits for semi-insulating GaAs detectors irradiated by 5MeV electrons**Speaker**

Dr Andrea Sagatova

16:33-16:35

Runaway Electron Diagnostics Using Silicon Strip Detector

Speaker

Lukas Novotny

16:35–16:37

Performance evaluation of dual energy cargo container inspection system**Speaker**

Kyungmin Oh

16:37–16:39

Calibration and characterization software framework for the high data rate soft X-rays PERCIVAL imager**Speaker**

Dr Benjamin BOITRELLE

16:39–16:41

Characterization of a back-illuminated CMOS camera on the METROLOGIE beamline at synchrotron SOLEIL

16:41–16:43

Single Photon Counting Integrated Circuit with multiple energy thresholds and charge sharing compensation**Speaker**

Piotr Otfinowski

16:43–16:45

Time-lapse micro-CT Analysis of Fatigue Microcrack Propagation in Cortical Bone**Speaker**

Tomas Fila

16:45–16:47

The SEU and TID characterization of a novel X-CHIP-03 monolithic pixel detector**Speaker**

Maria Marcisovska

16:47–16:49

R&D of a high pressure gas TPC detector for reactor neutrino spectrum**Speaker**

Xilei Sun

16:49–16:51

Implementation of the interpolator for signal peak detection in read-out ASIC**Speaker**

Vitaly Shumikhin

16:51–16:53

A 2-D localization of a lightly shielded radiation source using a network of small form factor CZT sensors**Speaker**

Aristoteles Kyriakis

16:53–16:55

1.2 Mfps standalone X-ray detector for Time Resolved Experiments**Speaker**

Dr Piotr Maj

16:55-16:57 **A UV photodetector based on ordered free standing MWCNT**

Speaker

Aristoteles Kyriakis

16:57-16:59 **New photosensor readout for noble gas electroluminescence**

Speaker

Cristina M.B. Monteiro

16:59-17:01

Evolution of scintillation and electrical characteristics of AlGaN during hadron irradiation

Speaker

Jevgenij Pavlov

17:01-17:03

Processing of Gallium Arsenide VGF Wafers for Radiation Imaging Pixel Detectors

Speaker

Juha Kalliopuska

17:03-17:05

Neutron transmission imaging with single pixel spectroscopic resolution

Speaker

Anton S. Tremsin

17:05-17:07

A Polarized Infrared Calibration Bench for the B-BOP Bolometric Camera working at 50mK

Speaker

Dr Xavier Navick

17:25