

20th International Workshop on Radiation Imaging Detectors

Monday 25 June 2018

Oral - Quality Hotel, Folkets Hus (09:40 - 10:00)

-Conveners: Christer Fröjdh

time	[id] title	presenter
09:40	[62] First experiments with the JUNGFRÄU charge integrating photon detector	REDFORD, Sophie

Oral - Quality Hotel, Folkets Hus (11:00 - 12:00)

-Conveners: Bernd Schmitt

time	[id] title	presenter
11:00	[22] The Percival 2-Megapixel Monolithic Active Pixel Imager	WUNDERER, Cornelia
11:20	[94] Single-photon imaging detector with sub-100ps and <10 μ m resolutions	FIORINI, Massimiliano
11:40	[69] Resolving Power of Pixel Detector Timepix for Wide-Range Electron, Proton and Ion Detection	GRANJA, Carlos

Oral - Quality Hotel, Folkets Hus (14:00 - 15:40)

-Conveners: Roelof de Vries

time	[id] title	presenter
14:00	[30] Status and calibration concept for the AGIPD detector	Dr MEZZA, Davide
14:20	[57] First X-ray measurements with microstrip LGAD sensors	ANDRÄ, Marie
14:40	[82] Development of full-field XRF imaging system for non-invasive investigation of artworks	Dr FIUTOWSKI, Tomasz
15:00	[28] Characterisation of FBK small-pitch 3D diodes after neutron irradiation up to 3.5×10^{16} neq cm ⁻²	DALLA BETTA, Gian-Franco
15:20	[122] MARS spectral CT imaging using CZT Medipix3RX	VANDEN BROEKE, Lieza

Tuesday 26 June 2018

Oral - Quality Hotel, Folkets Hus (09:00 - 10:00)

-Conveners: Heinz Graafsma

time	[id] title	presenter
09:00	[81] Evaluation of a Compton Camera Concept Using the 3D CdZnTe Drift Strip Detectors	Mrs HOWALT OWE, Selina
09:20	[92] Intrinsic XRF correction in CdTe Timepix3 spectral detectors	Dr KHALIL, Mohamad
09:40	[125] GaAs sensors in combination with charge-integrating, pixelated FEL detectors	GREIFFENBERG, Dominic

Oral - Quality Hotel, Folkets Hus (10:30 - 11:50)

-Conveners: Ralf Hendrik Menk

time	[id] title	presenter
10:30	[19] Dual-energy and energy-dispersive X-ray diffractions using CdTe pixel detector	TOYOKAWA, Hidenori
10:50	[21] IBEX based CdTe Detectors for Spectral Applications at High X-ray Energies	Dr TRUEB, Peter
11:10	[85] Large high-Z pixel detectors with LAMBDA readout	PENNICARD, David
11:30	[136] Development of Hafnium-Halide-Based Scintillator for Radiation monitor	Prof. SHUNSUKE, Kurosawa

Oral - Quality Hotel, Folkets Hus (13:50 - 15:30)

-Conveners: Cinzia Da Via; Cinzia Da Via

time	[id] title	presenter
13:50	[105] Timepix3 sub-pixel resolution of 200 and 300 keV electron tracks by machine learning	Dr VAN GENDEREN, Eric
14:10	[131] Mapping of the XRF data onto surface of the reconstructed artifact volume	VAVRIK, Daniel
14:30	[16] Optimization of spatial resolution and detection efficiency for photon/electron/neutron/ion counting detectors with Microchannel Plates and Quad Timepix readout	TREMSIN, Anton
14:50	[43] Advances in Pixel Cluster Analysis in Hybrid Pixel Detectors	Dr GEORGE, Stuart
15:10	[134] SIMULATION AND EVALUATION OF HIGH PERFORMANCE COST-EFFECTIVE POSITRON EMISSION MAMMOGRAPHY (PEM) SCANNER WITH LASER INDUCED OPTICAL BARRIER TECHNIQUES	Dr UZUN OZSAHIN, Dilber

Wednesday 27 June 2018

Oral - Quality Hotel, Folkets Hus (09:00 - 10:00)

-Conveners: Renata Longo

time	[id] title	presenter
09:00	[66] Low dose single shot two-dimensional phase contrast imaging	Mr SCHOU DREIER, Erik
09:20	[75] Active personal dosimetry with Dosepix, a 16 energy channel hybrid pixel detector	HUFSCHEMIDT, Patrick
09:40	[117] Molecular additives for high pressure Xe TPCs to improve the topological signature	Dr MONTEIRO, Cristina M. B.

Oral - Quality Hotel, Folkets Hus (10:30 - 12:10)

-Conveners: Seppo Nenonen

time	[id] title	presenter
10:30	[68] TCAD simulations of pixel sensors for the ATLAS ITk upgrade and performance of annealed planar pixel modules	BEYER, Julien-Christopher
10:50	[127] The silicon strips Inner Tracker (ITk) of the ATLAS Phase-II upgrade detector	Dr MINANO MOYA, Mercedes
11:10	[29] Lab and Test Beam Results of Irradiated Silicon Sensors with Modified ATLAS Pixel Implantations	WEERS, Mareike
11:30	[123] Timepix3 detector network at ATLAS experiment	Dr BURIAN, Petr
11:50	[86] Characterization of the ePix100a and the FastCCD semiconductor detectors at European XFEL	KLAČKOVÁ, Ivana

Oral - Quality Hotel, Folkets Hus (14:00 - 15:40)

-Conveners: Valeria Rosso

time	[id] title	presenter
14:00	[87] A pixel detector readout circuit with digital charge sharing compensation hit allocation algorithm	Dr OTFINOWSKI, Piotr
14:20	[107] A cost and energy efficient data acquisition architecture for pixel detectors in mobile applications using embedded multi-core processors	KELLER, Oliver
14:40	[120] Experimental Performance of a Highly-Innovative Low-Noise Charge-Sensitive Preamplifier With Integrated Range-Booster	CAPRA, Stefano
15:00	[115] Characterization, Optimization and Implementation of a Hyperspectral X-ray Camera control and processing software chain	Mr VAN ASSCHE, Frederic
15:20	[119] Pulse Pileup Models for Spectral X-ray Imaging	Dr ATHARIFARD, Ali

Thursday 28 June 2018

Oral - Quality Hotel, Folkets Hus (09:00 - 10:00)

-Conveners: Joaquim Marques Ferreira dos Santos

time	[id] title	presenter
09:00	[37] Radiation image display on a simple virtual reality system	Dr SATO, Yuki
09:20	[63] First Use of Timepix3 Hybrid Pixel Detectors in Ultra-High Vacuum for Beam Profile Measurements	SANDBERG, Hampus
09:40	[76] Calibration and first user experience with the Large Pixel Detector at the European XFEL	Dr LANG, Philipp-M.

Oral - Quality Hotel, Folkets Hus (11:30 - 12:10)

-Conveners: Wasi Faruqi

time	[id] title	presenter
11:30	[7] First results from the LUCID-Timepix spacecraft payload onboard the TechDemoSat-1 satellite in LEO orbit	Dr HATFIELD, Peter
11:50	[98] Timepix in LEO orbit on board VZLUSAT-1 nanosatellite: 1-year of Space Radiation dosimetry measurements	Mr BACA, Tomas

Oral: Concluding remarks - Quality Hotel, Folkets Hus (12:10 - 12:30)