

## **Session Program**

**3-7 Jul 2011**



# **International Workshop on Radiation Imaging Detectors iWoRiD 2011**

## ***Poster MiniTalks I***

ETH Zurich, Switzerland, HG E7  
[www.ethz.ch](http://www.ethz.ch) [www.psi.ch](http://www.psi.ch)

# Monday 4 July

12:30

## Poster MiniTalks I

**Session** | **Location:** ETH Zurich, Switzerland, HG E7, [www.ethz.ch](http://www.ethz.ch) [www.psi.ch](http://www.psi.ch) | **Convener:** Dr Cinzia Da Via

12:31–12:32

### Detection of fast neutrons using detectors based on semi-insulating GaAs

#### Speaker

Dr Zařko Bohumřr

12:32–12:33

### Development of a highly efficient, high resolution X-ray sensor based on self-organizing aluminum oxide

#### Speaker

Dr Frank Sukowski

12:33–12:34

### Evaluation of the limited response property in Silicon Photomultiplier with different micro cell size

#### Speaker

Mr Hyoungtaek Kim

12:34–12:35

### Analasis of CMOS APD with Geiger mode

#### Speaker

Mr Hyun Tae Leem

12:35–12:36

### Fluence dependent barrier capacitance and compensation effects in neutron irradiated Si pin diodes

#### Speaker

Mr Tomas Ceponis

12:36–12:37

### In situ analysis of carrier lifetime and barrier capacitance variations in silicon during 1.5 MeV protons implantation

#### Speaker

Mr Tomas Ceponis

12:37–12:38

### Study of monochromatic X-ray's depth of interaction in pixellated CdTe detector operating in Time-Over Threshold mode.

#### Speaker

Mr Erik Frřjdh

12:38–12:39

### Feasibility study of direct-conversion radiation detector using cadmium zinc telluride

#### Speaker

Mr kang sang sik

12:39-12:40

**Overview of 3D- Silicon sensors development for ATLAS Pixel Upgrade****Speaker**

Mr Marcello Borri

12:40-12:41

**Simulation and Measurement of Absorbed Dose from  $^{137}\text{Cs}$  gammas using a Si Timepix Detector****Speaker**

Mr Nicholas Stoffle

12:41-12:42

**Processing of a structured scintillator for high-resolution X-ray imaging****Speaker**

Mr Yashar Hormozan

12:42-12:43

**Simulation of a silicon neutron detector coated with  $\text{TiB}_2$  converter****Speaker**

Mr David Krapohl

12:43-12:44

**Optimization of Scintillators for Stacked-layer Detectors of FNGR****Speaker**

Mr Jae Hyung Cho

12:44-12:45

**Optimization simulation of scintillator thickness for Dual X-ray imaging system****Speaker**

Mr Han Gyul Song

12:45-12:46

**TSC Measurement of Energetic Levels in Silicon Detector Damaged by Neutrons****Speaker**

Mr Vit Sopko

12:46-12:47

**The effect of laser radiation on  $\text{CdZnTe}$  radiation hardness.****Speaker**

Dr Aleksandr Micko

12:47-12:48

**Thermal neutron detector based on planar silicon sensor with  $\text{TiB}_2$  coating****Speaker**

Mr Tomas Slavicek

12:48-12:49

**The feasibility study on Non-pixel X-ray detector using liquid crystal layer through simulation of transmittance and electric field****Speaker**

Mr Sung Hun Kim

12:49-12:50

**The design of hybrid x-ray detector using quantum size effect****Speaker**

Ji-na Kim

12:50-12:51

**The development of efficient X-ray conversion material for digital mammography****Speaker**

Mr Kyung-min Oh

12:51-12:52

**The implementation of photoinduced discharge X-ray detector using photoconductor****Speaker**

YOUNG KYU Lee

12:52-12:53

**The synthesis and characteristics study of radiation phosphors using solution-combustion****Speaker**

Ms Hye Jin Park

12:53-12:54

**X-ray interaction-induced signal and noise characteristics of edge-on silicon microstrip detectors for digital mammography****Speaker**

Mr Hanbean Youn

13:00