

Session Program

9-12 May 2006



Euromedim 2006 :1st European Conference on Molecular Imaging Technology

***Poster session : detection modules and
electronics***

Palais du Pharo, Marseille

Wednesday 10 May

14:00

Poster session : detection modules and electronics

Poster Session | **Location:** Palais du Pharo, Marseille

Characteristics of Optical Imaging Capillary Plate Gas Detector with Fibre Optics Plate

Speaker

Dr Fuyuki Tokanai

New developments in photomultiplier for nuclear medicine

Speaker

Ms Carole MARMONIER

LHCb calorimeters HV system

Speaker

Anatoli Konoplyannikov

Image quality of a pixellated GaAs X-ray detector

Speaker

Dr Jacques Bourgoin

Small Animal PET slow control system

Speaker

Mr Julien Iollierou

Investigation of an In-situ Position Calibration Method for Continuous Crystal Based PET Detectors

Speaker

Mr Cedric Lemaître

Performance of a Prototype 32-channel Preamplifier Module of the Double-Sided Silicon Strip Detector Used as the Scatterer for a Compton Camera

Speaker

Mr Nam Young Kim

Characterisation of Geiger mode avalanche photodiodes for medical imaging applications.

Speaker

Mr Ilia Britvitch

A Front-End Readout Mixed Chip for High Efficiency Small Animal PET imaging.

Speaker

Mr Nicolas OLLIVIER-HENRY

Development of scintillation detectors based on avalanche microchannel photodiodes

Speaker

Dr Alexey Stoykov

XPAD3: A new photon counting chip for X-ray CT-Scanner

Speaker

Mr Patrick Pangaud

Optical filter on the base of planar and fiber heterostructures of LiF and NaF compounds**Speaker**

Dr Boris Shulgin

Optical and scintillation properties of LuAP:Ce with intentional impurities**Speaker**

Dr Ashot Petrosyan

Growth and characterization of fast scintillator ZnO single crystal**Speaker**

Dr weidong Xiang

Development Of a New Photodetector Readout Technique**Speaker**

Francois Powolny

Overview of Solid State Photodetectors for both CT and PET applications**Speaker**

Dr Danielle Moraes

The electronics readout and the DAQ system of the DRAGO Anger Camera**Speaker**

Alberto Gola

Silicon Photomultiplier: Novel Photodetector for Medical Imaging Systems**Speaker**

Prof. Valeri Saveliev

A systematic study of the performance of the CsI:TI single-crystal scintillator under x-ray excitation**Speaker**

Prof. Ioannis Kandarakis

Efficiency of Lu₂SiO₅:Ce (LSO) powder phosphor as X-ray to light converter under mammographic imaging conditions.**Speaker**

Mr Stratos David

Multipixel Geiger-mode photon detectors for ultra-weak light sources.**Speaker**

A. Campisi

The novel high-gain PET detector for simultaneous PET/MR imaging**Speaker**

Dr Alla Reznik

SiAPD Specifications for Multi-face Scintillation Readout**Speaker**

Dr Raffaele Scafè

SiAPD Readout for LaBr3:Ce Scintillators**Speaker**

Dr Raffaele Scafè

Development of an instrument for time activity curve measurements during Positron Emission Tomography imaging of rodents**Speaker**

Mr Jean-Marc Reymond

Study of multipixel Geiger-mode avalanche photodiodes as a readout for PET.**Speaker**

Yuri Musienko

Optical current spectroscopy of GaAs based detectors**Speaker**

Prof. Igor Sokolov

A functionally reconfigurable detector head for molecular imaging with radionuclides**Speakers**

Prof. Francesco Corsi, Prof. Giorgio Pignatelli

Design of a fast, efficient single photon ring for cardiac studies based on LaBr3:Ce module**Speaker**

Prof. Roberto Pani

X-ray spectroscopy and dosimetry with a portable CdTe device**Speaker**

Mr Angelo La Manna

Crystal growth and potential utilisation of single crystal fibers in medical imaging devices**Speaker**

Mr benoit hautefeuille

Digital signal processing for X-ray spectroscopy with semiconductor detectors at high count rate**Speakers**

Dr Angelo La Manna, Prof. Gaetano Gerardi

A Waveform Sampling Front-End (WSFE) ASIC for Readout of GSO/APD with DOI Information**Speaker**

Mr Jung Yeol Yeom

Digital Signal Processing Applied to Crystal Identification in Positron Emission Tomography Dedicated to Small Animals**Speaker**

Mr Rejean Fontaine

High speed readout for H8500 PSPMT

15:00

Speaker

Dr Valentino Orsolini Cencelli