PSMR2024 10th Conference on PET, SPECT, and MR Multimodal Technologies, Total Body and Fast Timing in Medical Imaging

Monday, 20 May 2024

Poster Session (17:40 - 19:20)

-Conveners: Otto Muzik

time	[id] title	presenter
17:55	[35] Performance Evaluation of a Fast Tomographic Reconstruction Software for PET	SAGHAMANESH, Somayeh
18:00	[29] Positron-Range Correction for an On-Chip PET Scanner using Deep Learning	CLEMENT, Christoph
18:10	[24] Profiles of Short Chain Fatty Acid Metabolism as Genetic Biomarkers for Primary Brain Gliomas	INGLESE, Marianna
18:15	[65] Performance analysis of in-beam PET range verification system for carbon ion beams	RANJBAR, Sahar
18:20	[39] Preliminary results of metabolic MRI technology and PET in patient with liver metastases	KLOMP, Dennis
18:25	[57] Hardware acceleration for fast MRF map reconstruction: FPGA porting of a deep learning algorithm	RICCHI, Mattia
18:30	[76] Cardiac protocol including anatomic proton MRI at 3T and 31P metabolic imaging at 7T	KARKOURI, Jabrane
18:40	[89] Glioma Segmentation in PET/MRI studies: a preliminary comparative study between Swin Transformer and state-off-the-art CNN	PECCO, Nicolo'
18:45	[47] Validation of CT-free Template-Based Attenuation Correction in Brain PET Imaging	JEHL, Markus
18:50	[45] Actual trajectory measurement for multi-echo GRE at 7T using a field camera system	CECCHI, Paolo
18:55	[86] Estimating skeletal muscle metabolism from 31P MRSI at 7 Tesla using a dual-tuned volume coil preliminary in-vivo results	BIAGI, Laura
19:00	[93] Rigid Motion Detection for Abrupt Motion in FDG Brain PET Imaging	DAO, Viet
19:05	[37] Panel Detectors in PET Imaging: Leveraging TOF-DOI for High-Quality Performance	RAZDEVSEK, Gasper

Wednesday, 22 May 2024

Poster Session (15:30 - 17:10)

-Conveners: Sara Marcatili

time	[id] title	presenter
15:45	[34] Determination of lutetium density in LYSO crystals: methodology and PET detector applications	TRAN, Cong Thien
16:00	[95] Performance characteristics of multi-mouse imaging on monolithic large flat panel PET	DADGAR, Meysam
16:05	[40] Comparison of automatic segmentation methods for total body PET/CT imaging	LI, Anting TEUHO, Jarmo
16:10	[53] Quality control of plastic scintillators for the total-body J-PET scanner	KAPŁON, Łukasz
16:15	[43] Energy based scatter correction for the Walk-Through PET system	MAEBE, Jens
16:20	[110] Development and Evaluation of a Portable MVT-based All-Digital Helmet PET Scanner	ANTONECCHIA, Emanuele
16:25	[58] Timing performance of FBK SiPM NUV-HD-MT technology	MARTI VILLARREAL, Oscar Ariel
16:30	[38] Advancements in DOI-capable TOF-PET modules based on High-Frequency Readout	CATES, Joshua W.
16:35	[18] A Deep Learning Approach for Semantic, Multi-Organ Segmentation of PET Images	SCHAEFFERKOETTER, Josh
16:40	[17] The reSPECT project for a flexible and fast total body nuclear imaging diagnoses with high-Z organic scintillators	MARAFINI, Michela
16:45	[62] Fast-Timing Detector through Redshifted Cherenkov Radiation	ESPAÑA, Samuel
16:50	[6] Compositional engineering of timing properties in Ce-doped multicomponent garnet-type scintillators	NARGELAS, Saulius
16:55	[19] Synergistic Effects of Intrinsic Defects and Material Composition on the Scintillation Properties of Bismuth-Based Scintillators	BOUHALI, Othmane
17:00	[21] 18F-SMBT-1: First Study Shows Pharmacokinetics and Metabolism in Healthy Human Subjects.	DOAN, Kim