

Session Program

May 24 - 29, 2026

**18th International Conference on
Scintillating Materials and their Applications**

***Poster Session: Applications of scintillators
in fundamental research, health,
environment, energy, metrology, and
industrial controls***

Tue, May 26

4:00 PM

Poster Session: Applications of scintillators in fundamental research, health, environment, energy, metrology, and industrial controls

Poster Session |

Location: Lahan Select Gyeongju, 338 Bomun-ro, Gyeongju, Gyeongsangbuk-do, Korea (338)

Recent Status of the Real-time Dose-Rate Monitor with Optical-Fiber and Red/Infrared Scintillator for the Decommissioning Step

Speaker

Shunsuke Kurosawa

Timing characteristics of inter-crystal optical crosstalk in BGO-based TOF-PET detectors

Speaker

Yong Hwan Sul

Intrinsic depth of interaction resolution study using dual-ended readout of LYSO crystals

Speaker

Prof. Zheng Liu

Performance study of GAGG scintillators for gamma-ray detection in nuclear reaction experiments

Speaker

Xesus Pereira-Lopez

Compact SiPM-Coupled Scintillation Detector for Hard X-Ray Spectroscopy in Fusion Plasmas

Speaker

Siriyaporn Sangaroon

Evaluation of the Detector Response Linearity of Halide Scintillators for Spectrometric Determination of the Dose Rate

Speaker

Young-Yong Ji

Scintillation Fiber-Optic Detectors for Proton Beam Registration

Speaker

Yuriy Zorenko

Implementation of a Novel Pure LaCl₃ Scintillation Detector for Hard X-Ray Diagnostics in Thailand Tokamak-1

Speaker

Sawarin Buakham

A Filter-Free Dual-Layer Flat-Panel Detector Architecture for Dual-Energy Imaging Based on Scintillator-Based Spectral Separation

Speaker

Mr Jiyong Shim

LiCaAlF₆:Eu Nanoscintillators for X-Ray Triggered Release of Nitric Oxide**Speaker**

Éder José Guidelli

Development of Scintillation Detectors for Energetic Particle Confinement Studies in Magnetic Confinement Fusion at National Institute for Fusion Science**Speaker**

Kunihiro Ogawa

Pre-study of an enriched Li₂100MoO₄ scintillating bolometer in China**Speaker**

Mingxuan Xue

Analysis of Neutron-Induced Degradation and Recovery Characteristics of LaBr₃(Ce) Detector Performance in PGNAE Environments**Speaker**

Mr Ki-Yoon Lee

In-silico study of quantum ghost imaging with entangled annihilation photons**Speaker**

Ana Marija Kožuljević

Development of a Gamma-Ray and Neutron Detector using CLLBC for Planetary Applications**Speaker**

Kyeong Ja Kim

Modeling the Effects of Scintillation-Induced Spatial Response on Dual-Layer Charged Particle Imaging for Radiopharmaceuticals**Speaker**

Hyeyeun Chu

Development of a PINN-Based AI Algorithm for Inventory Verification of CANDU Spent Nuclear Fuel**Speaker**

Juwan Kang

Properties of Li-doped Perovskite scintillator grown by a room temperature solvent evaporation crystallization method**Speaker**

Bhavika .

Synthesis and characterization of blue-emitting core-shell nanoscintillators for X-ray induced photodynamic therapy (X-PDT) applications**Speakers**

Jezabel Teixeira, Éder Guidelli

Radiophotoluminescent Ag⁺ doped phosphate glasses used for high level dosimetry: online radiation induced attenuation and photoluminescence studies at high doses.**Speaker**

Matteo Ferrari

Composite scintillators based on the single crystalline films and crystals of garnet and perovskite compounds with extended capability for separation of β/γ radiation

Speakers

Yurii Syrotych, Yuriy Zorenko

Development and Performance of a Si-Csi-GAGG detector Array for Coincidence Measurements

Speaker

Sunji Kim

A Practical Dual-Path Approach for I-129 Recovery Determination Using LSC with an LEGe backup

Speaker

Rina Woo

Evaluation of the Effects of Cd Shell Gaps on D₂O-Moderated ²⁵²Cf Neutron Spectra

Speaker

Hyeongjin Kim

Scintillation Properties of a Stilbene Crystal for Low-mass Dark Matter Search

Speaker

Se Hwan Lee

Improving X-Ray Material Separation in Cargo Screening with Fast Scintillators

Speaker

Adam Barr

Thin-layer scintillators of low-dimensional Cs₃Cu₂I₅ developed for charged-particle spectroscopy

Speaker

Mátyás Hunyadi

Measurement of ²¹⁰Po α contamination in a BGO cryogenic bolometer

Speaker

Deyong Duan

Development the Neutron Spectrometer on the Moon using Scintillators

Speaker

Sunghwan KIM

Real-time alpha-particle trajectory imaging using a thin GAGG(Ce) scintillator for targeted radionuclide therapy

Speaker

Dr Seiichi Yamamoto

DOI-based directional radiation monitoring system: Experimental verification of Septa for improving DOI estimation accuracy

Speaker

Yoon Soo Chung

Data Processing of KPLO (Korea Pathfinder Lunar Orbiter) Gamma-Ray Spectrometer

Speaker
Suyeon Kim

Development of a Compact Spherical CsI(Tl)-SiPM Detector with Isotropic Response for Environmental Radiation Monitoring

Speaker
Jiwon Ra

Elimination of Background Radiation Using a BGO Scintillator for a Subminiature Gamma Camera in Robotic Surgery

Speaker
Park Youngjoo

3D Radiation Mapping System Applied to Handheld and Mobile Robotic Platforms

Speaker
Joonhyuk Lee

Plastic Scintillator Muon Detector (PSMD) for AMoRE-II

Speaker
Go Woon Kim

Feasibility Study of Cherenkov-Scintillation Separation in Liquid Scintillators Using Frequency-Domain Analysis

Speakers
Jooyoung Lee, Dr K.M. Lee

CRYTUR's Capabilities in the Manufacturing of Advanced Single-Crystal Scintillators and Assemblies

Speaker
Ondrej Zapadlik

Optimization of GAGG properties for the high-rate environment of the LHCb ECAL Upgrade II

Speaker
Louis Roux

Overcoming the Notorious Radiation Softness of Acrylate-Based Plastic Scintillators

Speaker
Prof. Anil Kumar Gourishetty

6:40 PM