

Program

May 24 - 29, 2026

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

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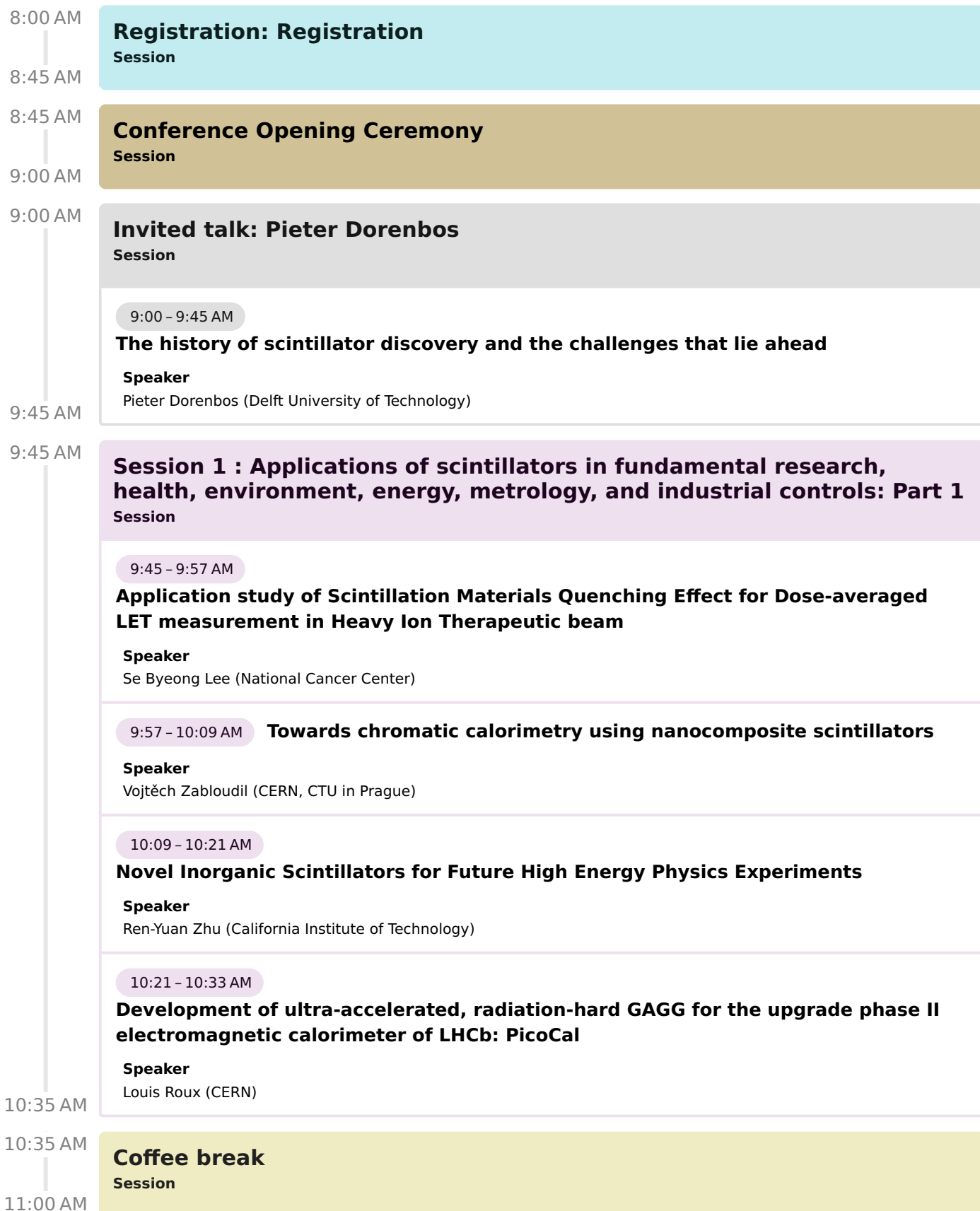
Sun, May 24

5:00 PM

6:00 PM

Registration
Session

Mon, May 25



11:00 AM

Session 2 : Nano- and metamaterials, hybrids, organic, and liquid scintillators: Part 1

Session

11:00 – 11:18 AM **[Key-note] Ultrafast scintillating metal-organic frameworks**

Speaker

Angelo Monguzzi (Dipartimento di Scienza dei Materiali, Università Milano - Bicocca)

11:18 – 11:30 AM

Solvent-free liquid scintillator: a breakthrough discovery in liquid scintillation

Speaker

Pauline Vergnory (CEA)

11:30 – 11:42 AM

Nanostructured multiphase polymeric scintillators for fast gamma/neutron discrimination

Speaker

Luca Pollice (Università degli studi di Milano-Bicocca)

11:42 – 11:54 AM

Investigating the Energy Transfer Mechanisms in Polystyrene based Plastic Scintillators

Speaker

Dallar Babaian (LBNL)

11:54 AM – 12:06 PM **Radiation stability of plastic and nanocomposite scintillators**

Speaker

Václav Čuba (Czech Technical University in Prague)

12:06 – 12:18 PM

Multilayered meta scintillator with thermally deposited organic active and metal halide dielectric layers

Speaker

guillaume BERTRAND (CEA Saclay)

12:18 – 12:30 PM

Liquid scintillators enriched with high-Z metal oxide nanoparticles for rare events search

Speaker

Pietro Moiraghi (University of Milano-Bicocca)

12:30 – 12:42 PM

Eu-Doped BaSO₄ Nanoscintillator for X-Ray-Activated Photodynamic Therapy

Speaker

João Lessa (USP)

12:50 PM

12:50 PM

Lunch: Lunch

Session

2:10 PM

2:10 PM

Session 3 : Scintillators for fast-timing detection and imaging

Session

2:10 - 2:28 PM

[Key-note] Exciton confinement in scintillators for high spatiotemporal detection**Speaker**

Guangda Niu (Huazhong University of Science and Technology)

2:28 - 2:40 PM

Investigating β -Ga₂O₃ as a Potential Scintillator for Photon Counting CT**Speaker**

Dennis Schaart (Delft University of Technology)

2:40 - 2:52 PM

Targets and Challenges in Fast-Timing Garnets**Speaker**

Oleg Sidletskiy (Centre of Excellence ENSEMBLE3 Sp. z o.o., Warsaw, Poland; Institute for Scintillation Materials NAS of Ukraine, Kharkiv, Ukraine)

2:52 - 3:04 PM

2D Lead Halide Perovskite Scintillation Crystals for Fast-timing Detection and Imaging**Speaker**

Yunyun Li (State Key Laboratory of Functional Crystals and Devices, Shanghai Institute of Ceramics, Chinese Academy of Sciences)

3:04 - 3:16 PM

Fast and bright scintillators for ultrafast materials dynamics using 4th generation synchrotron**Speaker**

Zhehui (Jeph) Wang (Los Alamos National Laboratory)

3:16 - 3:28 PM

Chemical Preparation Methods of ZnO and ZnO:Ga Films on BGO Substrates for Efficient γ -ray Detection**Speaker**

Nataliya Babayevska (NanoBioMedical Centre, Adam Mickiewicz University)

3:28 - 3:40 PM

Red-Emitting Lu₂S₃:Ce Scintillator Prepared by Micro-Pulling-Down Crystal Growth**Speaker**

Monika Kotyková (Institute of Physics of the Czech Academy of Sciences)

3:40 PM

3:40 PM

Coffee break

Session

4:10 PM

4:10 PM

Session 4 : Characterizations of scintillators: Part 1

Session

4:10 - 4:22 PM

Fast-feedback R&D strategy for LMO scintillating crystals in neutrinoless Double Beta Decay search

Speaker

Mauro Fasoli (University of Milano-Bicocca)

4:22 – 4:34 PM

Cs₂TeCl₆ as a Promising Scintillating Detector for the Rare Decay of ¹²³Te**Speaker**

Serge Nagorny

4:34 – 4:46 PM

Development of a 10 mol% Rubidium-doped CsI Crystal for ⁸⁷Rb Beta-Spectroscopy and Sterile Neutrino Searches**Speaker**

Won Kyung Kim (University of Science & Technology (UST), IBS School)

4:46 – 4:58 PM

A Pulse Shape Discrimination Performance of Garnet-Based Composite Scintillators in alpha/beta/gamma Mixed Fields**Speaker**

Agnieszka Syntfeld-Każuch (National Centre for Nuclear Research)

4:58 – 5:10 PM

Optical and Scintillation properties of Mixed Halide Li₂Hf(Br,I)₆ for Thermal Neutron Detection**Speaker**

Chihaya Fujiwara (Tohoku University)

5:10 – 5:22 PM

Scintillation Response of CsI(Tl) to Monoenergetic Single-Electron Excitation at Low Energies**Speaker**

Faizan Anjum (Kyungpook National University, Department of Physics)

5:30 PM

5:30 PM

Session 5 : Optical ceramics and glasses**Session**

5:30 – 5:42 PM

Composite Scintillators Based on Ce-doped Garnets as an Efficient and Inexpensive Alternative**Speaker**

Gintautas Tamulaitis (Vilnius University (LT))

5:42 – 5:54 PM

Defect Engineering in LuAG:Ce Ceramics: Towards Ultrahigh Fast Scintillation Proportion**Speaker**

Chen Hu (Shanghai Institute of Ceramics, Chinese Academy of Sciences)

5:54 – 6:06 PM

Luminescence and Scintillation Properties of Nonstoichiometrically Engineered YAG:Pr Transparent Ceramics**Speaker**

Anton Markovskiy (Łukasiewicz Research Network - Institute of Microelectronics and Photonics)

6:06 - 6:18 PM

Development and Characterization of Tl- and Ce- doped novel Organic Glass Scintillator for Radiation Detection

Speaker

JAHEYOUNG CHO (KYUNGPOOK NATIONAL UNIVERSITY)

6:18 - 6:30 PM

Advancements in Organic Glass Scintillators: Achieving Amorphous Stability and Enhanced Scintillation Performance

Speaker

Ryan J. Witzke (Sandia National Labs)

6:30 PM

8:00 PM

10:00 PM

**Reception: Reception
Session**

Tue, May 26

9:00 AM

Invited talk: Weronika Wolszczak

Session

9:45 AM

9:45 AM

Session 6 : Nano- and metamaterials, hybrids, organic, and liquid scintillators: Part 2

Session

9:45 - 9:57 AM

Triggering biorthogonal photoclick reactions with nanoscintillators : a new in vivo application ?

Speaker

Aurélie Bessière (Institut Charles Gerhardt Montpellier (ICGM), Université de Montpellier, CNRS)

9:57 - 10:09 AM

Radiotherapeutic Impact of Nanoscintillators: Interplay of Physical Dose Effects and Biological Radiosensitization

Speaker

Anne-Laure Bulin (University Grenoble Alpes, Inserm, CNRS, Institute for Advanced Biosciences)

10:09 - 10:21 AM

Scintillating Nanoparticles for X-Ray-Activated Photodynamic Radiosensitization

Speaker

Mileni Isikawa (Universidade de São Paulo)

10:21 - 10:33 AM

Mesoscale Architecture of RE-doped HfO₂ Nanophosphors: Does Local Density Matter?

Speaker

Alessandro Lauria (Laboratory for Multifunctional Materials - ETH Zurich)

10:33 - 10:45 AM

Development of a Flexible 64-Channel X-ray Imaging System based on CsPbBr₃-Polymer Nanocomposite Scintillators

Speaker

Jeong Min Park (Korea Atomic Energy Research Institute)

10:50 AM

10:50 AM

Coffee break

Session

11:20 AM

11:20 AM

Session 7 : Scintillators for neutron detection and imaging: Part 1

Session

11:20 - 11:38 AM

[Key-note] Highly efficient ⁶Li-doped copper halide scintillators toward neutron and gamma detection

Speaker

Yuhao Zhang (Shanghai Institute of Ceramics, Chinese Academy)

11:38 - 11:50 AM Lithium Iodide Scintillator for Advanced Neutron Instruments**Speakers**

Jun Wang (Radiation Monitoring Devices, Inc.), Vivek Nagarkar (Radiation Monitoring Devices, Inc.)

11:50 AM - 12:02 PM Fission-energy neutron response of CLYC**Speaker**

Thibault Laplace (University of California, Berkeley)

12:02 - 12:14 PM**Fabrication and properties of Tb-doped gadolinium oxysulfide scintillation ceramics for neutron imaging****Speaker**

Jiang Li (Shanghai Institute of Ceramics, Chinese Academy of Sciences)

12:14 - 12:26 PM**Experimental and Monte Carlo Evaluation of a CLLBC-Based Gamma-Neutron Spectroscopy System for Planetary Hydrogen Detection****Speaker**

Sang Woo Kim (Korea Institute of Geoscience and Mineral Resources (KIGAM))

12:26 - 12:38 PM**Cross-Facility Characterization of Neutron Imaging: CROCUS Zero-Power Reactor versus SINQ Spallation Source****Speaker**

Michel Saliba (EPFL)

12:40 PM

12:40 PM

Lunch

Session

2:10 PM

2:10 PM

Session 8 : Crystal growth and structural control

Session

2:10 - 2:28 PM**[Key-note] Melt-Growth of $\text{Cs}_3\text{Cu}_2\text{I}_5$ Single Crystals: Growth Behavior and Inch-Sized Scintillation Performance****Speaker**

Yuntao Wu (Shanghai Institute of Ceramics, Chinese Academy of Sciences)

2:28 - 2:40 PM**Crucible-free growth of bulk Sn-doped Ga_2O_3 single crystals by pulling from a cold container technique****Speaker**

Vladimir Kochurikhin (C&A Corporation, Sendai, Japan)

2:40 - 2:52 PM**Electrochemical growth of copper-halide scintillators****Speaker**

Murilo Faleiros (King Abdullah University of Science and Technology)

2:52 - 3:04 PM

Cs₃Cu₂I₅ Single Crystals Grown with Oleic- and Formic-Acid-Assisted Additives: Effects on Crystal Quality and Scintillation Properties**Speaker**

Bhavika . (Indian Institute of Technology Roorkee)

3:04 - 3:16 PM

Growth and Performance Progress of Dual Detection Mode TI-based Elpasolite Scintillators with Single and Dual Dopants**Speaker**

Rastgo Hawrami (Fisk University)

3:16 - 3:28 PM

Growth and Characterization of Radioactive source doped CeBr₃ Crystal Scintillators**Speaker**

Jakrapong Kaewkhao (Nakhon Pathom Rajabhat University)

3:28 - 3:40 PM

Precursor procurement, purification, and assay in Li₂100MoO₄ crystal synthesis for AMoRE-II**Speaker**

Olga Gileva (Center for Underground Physics, IBS)

3:40 - 3:52 PM

Suppressing NaI(Tl)-Quartz Adhesion with NH₄I: Successful 3×3" Bridgman Growth**Speaker**

LAM TAN TRUC (Kyungpook National University, Republic of Korea)

4:00 PM

4:00 PM

Poster Session: Poster Session & Coffee break

Poster Session

6:40 PM

4:00 PM

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

Poster Session

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

Shunsuke Kurosawa (The University of Tokyo)

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**

Zheng Liu

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

Speaker

Xesus Pereira-Lopez (CENS, IBS)

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

Speaker

Siriyaporn Sangaroon (Mahasarakham University)

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

Speaker

Young-Yong Ji (Korea Atomic Energy Research Institute)

Scintillation Fiber-Optic Detectors for Proton Beam Registration

Speaker

Yuriy Zorenko (Kazimierz Wielki University in Bydgoszcz in Bydgoszcz)

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

Speaker

Sawarin Buakham (Mahasarakham University)

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

Speaker

Jiyong Shim (Yonsei University)

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

Speaker

Éder José Guidelli (University of São Paulo)

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

Speaker

Kunihiro Ogawa (National Institute for Fusion Science)

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

Ki-Yoon Lee (Kangwon National University)

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

Speaker

Ana Marija Kožuljević (Institute for Medical Research and Occupational Health)

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**

Hyeeyeun Chu (Seoul National University)

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

Juwan Kang (Dept. of Radiation Convergence Engineering, Yonsei University, Republic of Korea)

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

Bhavika . (Indian Institute of Technology Roorkee)

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

Jezabel Teixeira (University of São Paulo (USP)), Éder Guidelli (USP)

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 (Kazimierz Wielki University in Bydgoszcz. Department of Physics), Yuriy Zorenko (Kazimierz Wielki University in Bydgoszcz in Bydgoszcz)

Development and Performance of a Si-Csl-GAGG detector Array for Coincidence Measurements**Speaker**

Sunji Kim (Institute for Basic Science)

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

Rina Woo (Radiation of Science Research Institute)

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

Hyeongjin Kim (Central Research Institute of KHNP)

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

Se Hwan Lee (Jeju National University)

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

<p>Speaker Adam Barr (University of Manchester)</p>
<p>Thin-layer scintillators of low-dimensional Cs₃Cu₂I₅ developed for charged-particle spectroscopy</p> <p>Speaker Mátyás Hunyadi (HUN-REN Institute for Nuclear Research)</p>
<p>Measurement of ²¹⁰Po α contamination in a BGO cryogenic bolometer</p> <p>Speaker Deyong Duan (University of Science and Technology of China)</p>
<p>Development the Neutron Spectrometer on the Moon using Scintillators</p> <p>Speaker Sunghwan KIM (Cheongju University)</p>
<p>Real-time alpha-particle trajectory imaging using a thin GAGG(Ce) scintillator for targeted radionuclide therapy</p> <p>Speaker Seiichi Yamamoto (Waseda University)</p>
<p>DOI-based directional radiation monitoring system: Experimental verification of Septa for improving DOI estimation accuracy</p> <p>Speaker Yoon Soo Chung (Yonsei univ.)</p>
<p>Data Processing of KPLO (Korea Pathfinder Lunar Orbiter) Gamma-Ray Spectrometer</p> <p>Speaker Suyeon Kim (Korea Institute of Geoscience and Mineral resources)</p>
<p>Development of a Compact Spherical CsI(Tl)-SiPM Detector with Isotropic Response for Environmental Radiation Monitoring</p> <p>Speaker Jiwon Ra (Yonsei university)</p>
<p>Elimination of Background Radiation Using a BGO Scintillator for a Subminiature Gamma Camera in Robotic Surgery</p> <p>Speaker Park Youngjoo (Korea University)</p>
<p>3D Radiation Mapping System Applied to Handheld and Mobile Robotic Platforms</p> <p>Speaker Joonhyuk Lee (Jeju National University, Jeju-si, Jeju-do, Republic of Korea)</p>
<p>Plastic Scintillator Muon Detector (PSMD) for AMoRE-II</p> <p>Speaker Go Woon Kim (CUP, IBS)</p>
<p>Feasibility Study of Cherenkov-Scintillation Separation in Liquid Scintillators Using Frequency-Domain Analysis</p> <p>Speakers Jooyoung Lee (Kyungpook National University), K.M. Lee (Korea University)</p>

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

Speaker

Ondrej Zapadlik (Crytur)

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

Speaker

Louis Roux (CERN)

Overcoming the Notorious Radiation Softness of Acrylate-Based Plastic Scintillators

Speaker

Anil Kumar Gourishetty (Indian Institute of Technology Roorkee, India)

6:40 PM

4:00 PM

Poster Session: Crystal growth and structural control

Poster Session

Scintillation Properties of Large BSO Crystals for Future High-Energy Physics Experiments

Speaker

Mingxue Deng (Shanghai Institute of Ceramics, Chinese Academy of Science)

Mass production of enriched $\text{Li}_2\text{100MoO}_4$ crystals with high purity levels

Speaker

JuKyung Son (Center for Underground Physics, Institute for Basic Science)

Features of Czochralski growth of 2-inch Ce-doped Y-Al-Ga garnet crystals for scintillator applications

Speaker

Yasuhiro Shoji (C&A Corporation)

NaI(Tl) polycrystals grown by skull method for well-logging applications

Speaker

Volodymyr Taranyuk (Institute for Scintillation Materials, NAS of Ukraine)

Improving Internal Radiopurity in NaI(Tl) Crystals for Dark Matter Search Experiments

Speaker

Chorok Byeon

SUBSTRATE-GUIDED GROWTH OF MILLIMETER-THICK, LARGE-AREA PEROVSKITE SINGLE CRYSTALS FOR HIGH-PERFORMANCE X-RAY DETECTION

Speaker

KIM HYUNJUN

Melt growth of 1 inch CsPbBr_3 single crystal and photoconductivity studies

Speaker

PRADHUMN DIXIT (BARC Mumbai)

CsCu_2I_3 Single Crystals via Bridgman Technique for Scintillator Applications

Speaker

Hemlata Kumawat (Homi Bhabha National Institute, BARC, Mumbai, India-400094)

Improved performance of single crystal-based X-ray detector via 2D layer formation

Speaker

Dakyoung Lee

Bridgman growth and luminescence properties of Na-doped Li₂MoO₄ crystals

Speaker

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Optical and Scintillation Properties of Lu₃TaO₇ Single Crystals with High Density Grown by Advanced Crystal Growth Method

Speaker

Yuui Yokota (Tohoku University)

Interface engineering in Halide Perovskite Single Crystal (PSC) devices for enhanced Gamma Spectroscopy

Speaker

PRACHI GUPTA (INDIAN INSTITUTE OF SCIENCE IISc BANGALORE)

Evaluation of the Spectroscopic Reliability of Lead-Free Cs₃Cu₂I₅ Perovskite Scintillators for Nuclear Medicine

Speaker

Chansun Park (Korea University)

6:40 PM

4:00 PM

Poster Session: Characterization of scintillators

Poster Session

Potential Pr³⁺ doped LaOF scintillators with varying Pr³⁺ concentrations obtained from hydroxycarbonates precursors for ionizing radiation detection.

Speaker

Erick Henrique (São Paulo State University (UNESP) Institute of Chemistry)

Scintillation property of BaO-Y₂O₃-B₂O₃, BaO-Y₂O₃-SiO₂, and BaO-Y₂O₃-P₂O₅ glasses

Speaker

Haruaki Ezawa (Nara Institute of Science and Technology)

Characteristics of DAMC loaded LAB-based Liquid Scintillator

Speakers

H.J. Lee (Kyungpook National University), Jooyoung Lee (Kyungpook National University)

Toward a standardization of scintillating performances of nanoscintillators

Speaker

Christophe Dujardin (Université Claude Bernard Lyon1 - CNRS)

Influence of terbium content on the photoluminescence properties of Ce-doped Tb_xGd_{3-x}Al₅O₁₂

Speaker

Arnoldas Solovjovas (Vilnius University)

La:Lu₂O₃ single crystal scintillators

Speaker

Oleg Sidletskiy (ENCEMBLE3 Centre of excellence)

Optimization of Nano-scale TiO₂ Reflectors via Atomic Layer Deposition for High-Resolution Scintillation Detectors

Speaker

Sangsu Kim (Global Health Technology Center, Korea University, Seoul, Republic of Korea)

The Industry-Scale (Gd,Y)AlO₃:Ce Single Crystal: optical, luminescence and scintillation characterization

Speaker

MARTIN NIKL (Institute of Physics of the Czech Academy of Sciences)

Single-Photoelectron Calibrated Absolute Light Yield of Cs₃Cu₂I₅ Scintillator Grown by Room-Temperature Vacuum Solvent Evaporation

Speaker

Jihwan Boo (Seoul National University)

Improvement of Scintillation Light Yield in Ce:CaHfO₃ Single Crystal through Be-substitution

Speaker

Yusuke Endo (Nara Institute of Science and Technology)

radiation hardness of Cs₃Cu₂I₅ single crystal perovskite scintillator

Speaker

jiwon seo (Korea Institute of Fusion Energy)

X-Ray Excited Optical Luminescence of Rare-Earth Oxychloride, Chloride and Fluoride Nanoparticles Doped with Eu³⁺, Pr³⁺ and Dy³⁺

Speaker

Gabriel Luis Colombo (São Paulo State University (UNESP), Institute of Chemistry, Araraquara, Brazil)

GdOCl:Eu³⁺ nanoparticles obtained from the thermal decomposition of the precursor Gd(OH)₃:Eu³⁺: Luminescence with UV-Vis and X-Ray Excitation (XEOL)

Speaker

Gabriel Luis Colombo (São Paulo State University (UNESP), Institute of Chemistry, Araraquara, Brazil)

Ultra-bright, non-hygroscopic, high performance 0D all-inorganic lead-free perovskite Cs₃Cu₂I₅:Tl scintillator for efficient radio-voltaic and other applications of radiation detection

Speaker

Henry Chen (Brimrose Technology Corp)

Gamma-Ray Induced Radiation Damage and Phosphorescence in BaF₂: 0-20 at% Y Crystals

Speaker

Junfeng Chen (Shanghai Institute of Ceramics, Chinese Academy of Sciences)

Growth and Investigation of CsI:Na,Ce Crystal for Radiation Detection

Speakers

Duy Quang Nguyen (Dalat Nuclear Research Institute), Yaowaluk Tariwong (Chiang Mai University)

Effect of Sintering Aids on Scintillation Properties of Ce:YAG Ceramics

Speaker

RAPHAELLA CABRAL

Photoluminescence and Scintillation Properties of Copper Iodide Clusters with K- and Rb- Benzo-15-crown-5 Complexes

Speaker

Yamabayashi Keishi

Characteristics of Lithium Benzoate loaded Water-based Liquid Scintillator

Speakers

D.E. Jung (Chonnam National University), Jooyoung Lee (Kyungpook National University)

UV-Induced Photo-Bleaching and Scintillation Performance Degradation in 3D-Printed Plastic Scintillators

Speaker

Han Cheol Yang (Hanyang University)

Photoluminescence and Scintillation Properties of Tb-doped Sr₃TaGa₃Si₂O₁₄ Single Crystals

Speaker

Ryosei Takahashi (Nara Institute of Science and Technology)

Near-infrared Scintillation Properties of Nd-doped CaZrO₃ Crystals Grown by the Floating Zone Method

Speaker

Keita Miyajima (Nara Institute of Science and Technology)

Mechanical Surface Treatment of Water-sensitive Perovskite Scintillator Crystals via Hydrophobic Solvents

Speaker

Seungho Song (Korea University)

Temperature-driven changes in photoluminescence and pulsed photoluminescence of Xe-irradiated MgAl₂O₄ single crystals

Speaker

Abdirash Akilbekov (L N Gumilyov Eurasian National University)

Performance Evaluation of Lead-loaded 3D-Printed Plastic Scintillators

Speaker

Hyeong Gu Kang (Department of Nuclear Engineering, Hanyang University)

Enhanced Pulse Shape Discrimination in CsI(Tl) Scintillators via High-Efficiency Photodetection for Dark Matter Searches

Speaker

Sedong Park (Kyungpook National University)

Radiation Response of an In-House Synthesized and Grown Stilbene Seed Crystal

Speaker

Jaehyo Kim (Department of Energy Systems Engineering, Seoul National University)

Temperature-Dependent Performance of NaI(Tl) Scintillators with Dual-Channel SiPM Readout for Low-Mass Dark Matter Searches

Speaker

Won Kyung Kim (University of Science & Technology (UST), IBS School)

Study of Light Transport inside Crystal Fibres

Speaker

Julie Delenne (CERN)

A Compton-TDCR experiment for low energy non-linearity measurement of scintillators**Speaker**

Alice PERRET (CEA)

Simulation of the energy response function of BGO and Gd2O2S scintillators for flash radiography applications**Speaker**

Olivier Delattre (Commissariat à l'Énergie Atomique)

Crystal growth and optimization of post-annealing condition of intrinsic scintillator YNbO₄**Speaker**

Shohei Kodama (Saitama University)

Radiation-Induced Structural, Optical, and Luminescent Changes in Gd₃Ga₅O₁₂ under Swift Heavy-Ion Irradiation**Speaker**

Marina Konuhova (Institute of Solid State Physics, University of Latvia)

A High-Throughput Technique for Screening the Light Yield in Doped Rare-Earth Inorganic Scintillator Coatings**Speaker**

Samuel Simons

Scintillators based on the Ce³⁺ Doped of Gd_{1-x}Y_xAP:Ce Mixed Perovskites: Comparative Study Crystals and Single Crystalline Films under Synchrotron Radiation Excitation**Speakers**

Artur Majewski- Napierkowski (Kazimierz Wielki University), Yuriy Zorenko (Kazimierz Wielki University in Bydgoszcz in Bydgoszcz)

Temperature-driven changes in photoluminescence and pulsed photoluminescence of Xe-irradiated MgAl₂O₄ single crystals**Speaker**

Abdirash Akilbekov (L N Gumilyov Eurasian National University)

6:40 PM

4:00 PM

Poster Session: Scintillators for fast-timing detection and imaging**Poster Session****Joint Sparse Deconvolution of Timing and Energy Waveforms for Photon Arrival Reconstruction****Speaker**

Minseok Yi (Seoul National University)

2 inch diameter growth of Ce,Mg :Y₃(Ga,Al)₅O₁₂ scintillator and prototyping of fine-pitch scintillator arrays for pulse-counting CT**Speaker**

Kei Kamada (Tohoku Univ.)

Performance Studies of the CRILIN Semi-Homogeneous Calorimeter with PbF2 Crystals and SiPM Readout

Speaker

Ivano Sarra (LNF - INFN)

Development of a Scintillator-based Veto Counter for High-Intensity Pion Beam Experiments at J-PARC E45

Speaker

Jaejin Lee (Department of Physics, Kyungpook National University)

Neutron-Irradiation Effects on SiPM Stability and Annealing Behavior

Speaker

Jun Hyung Park (Kyungpook National University)

Defect Engineering via Isovalent and Aliovalent Co-Doping for Enhanced Scintillation Performance in CsI:TI Single Crystals

Speaker

Durgesh Singh Sisodiya (Center for Innovation and Technology Excellence, Titan, Jaipur, India)

A Beam Test Study on Timing Resolution of Various Scintillating Crystals

Speaker

Lingyue Chen (Institute of High Energy Physics, Chinese Academy)

Investigation of the performance of metal halide scintillator films on CMOS flat panel detector for X-ray imaging application

Speaker

Bo Kyung Cha (KERI)

Growth of ZnO microwires on BGO substrate for scintillation heterostructures

Speaker

Magdalena Konefał (NanoBioMedical Centre, Adam Mickiewicz University, Poznań, Poland)

Design and Development of a ZnS:Ag-based Fast-Ion Loss Probe for the Compact Helical Device

Speaker

SHENG DONG (SOKENDAI)

GAGG:Ce scintillator screens for high-speed radiography

Speaker

Stuart Miller (Nevada National Security Sites)

Experimental Study of Signal Linearity in PMTs and SiPMs for Scintillation Readout

Speaker

junseop Shin

Characterization of Light-Guide-Coupled SiPM Readout for Scintillating Fiber Detectors

Speaker

Bogyeong Seo (Kyungpook National University)

Growth and scintillation properties of Mo co-doped Ce:Gd₃(Ga,Al)₅O₁₂ single crystals

Speaker

KYOUNG JIN KIM (NICHe, Tohoku University)

Exploration of Ultra Fast and Bright Scintillators**Speaker**

Kaleab Ayalew (National Nevada Security Sites)

6:40 PM

4:00 PM

Poster Session: Mechanisms and theory of scintillation**Poster Session****Effect of the nanoparticle size on the scintillation of polymeric composites.****Speaker**

Angelo Monguzzi (Dipartimento di Scienza dei Materiali, Università Milano - Bicocca)

Luminescence Mechanisms in Cr³⁺-doped (Ga_{1-x-y}In_xAl_y)₂O₃ and Li(Ga_{1-x-y}In_xAl_y)₅O₈ Alloys: Insights from the Electronic Structure Calculations**Speaker**

Yuriy Hizhnyi (Donetsk Institute for Physics and Engineering of NAS of Ukraine)

Harnessing Collective Phenomena in Hybrid Nanocomposites for Bright and Fast Scintillation**Speaker**

Xiaohe Zhou

Mechanisms of Enhancing the Light Yield of KCl:Li Crystals under X-ray and VUV-Radiation**Speakers**

Adelya Kenzhebayeva (K. Zhubanov Aktobe Regional University), Shunkeyev, Shynar Sagimbayeva, Yuriy Zorenko (Kazimierz Wielki University in Bydgoszcz in Bydgoszcz)

Excitation and Emission Properties of Tb- and Ce-doped Li₆Ln(BO₂)₃ (Ln=Gd, Y) in the UV/VUV Region**Speakers**

Eunjin Choi (Kyungpook National University), Hwanbae Park (Kyungpook National University), Jaeyoung Cho (Center For High Energy Physics)

Mechanisms of optically stimulated luminescence in BaF₂**Speaker**

Jacob Christian Warming (Department of Physics and Astronomy, Aarhus University)

6:40 PM

4:00 PM

Poster Session: Scintillators for neutron detection and imaging**Poster Session****Developing Fast Scintillators for Neutron Detection****Speaker**

Cai Lin Wang

Design Study of Hard X-ray Spectrometer Array for Suprathermal Electron Measurement in Compact Helical Device**Speaker**

WU YINGHAN (SOKENDAI)

Investigation of the imaging characterization of polycrystalline scintillation screens with high spatial resolution for neutron radiography

Speaker

Bo Kyung Cha (KERI)

Phoswich detector for discrimination of thermal and fast neutron**Speaker**

Mohit Tyagi (Bhabha Atomic Research Centre)

Development of CsLiI:TI single crystal scintillators for thermal neutron detection**Speakers**

deepika sharma (Indian institute of technology Roorkee, India), Mohit Tyagi (Technical Physics Division, Bhabha Atomic Research Centre, Mumbai - 400085, INDIA), Manda Sonawane (Technical Physics Division, Bhabha Atomic Research Centre, Mumbai - 400085, INDIA), Anil kumar Gourishetty (Technical Physics Division, Bhabha Atomic Research Centre, Mumbai - 400085, INDIA)

Verification & validation of the collision tracking feature in OpenMC for light output simulations in organic scintillators**Speaker**

Oskari Pakari (Ecole Polytechnique Federale de Lausanne)

Spatially Resolved Neutron-Gamma Discrimination Using Neutron-Sensitive Scintillators and Event-Mode Imaging**Speaker**

Nicholas Mendez (Los Alamos National Laboratory)

Characterization of a Phoswich Detector Using CLYC and Plastic Scintillators**Speaker**

HyeoungWoo Park (KHNP)

Development of a scintillator-based photon counting detector for X-ray imaging applications**Speaker**

Canwen Liu (Tsinghua University)

6:40 PM

4:00 PM

Poster Session: Nano- and metamaterials, hybrids, organic, and liquid scintillators**Poster Session****Cost Effective Fabrication of LaF₃:Ce Nanophosphor Embedded Hybrid Plastic Scintillator for Radiation Detection Applications****Speaker**

Praveen Joshwa Ramesh (Research Scholar (JRF))

Luminescent hybrid halide material for scintillation and latent fingerprint development**Speaker**

Pragati Sahu (CSIR-National Chemical Laboratory, Pune 411008, India)

Effects of Irradiation on Luminescent Properties of CexLa_{1-x}F₃:Tb³⁺ Scintillating Nanoparticles**Speaker**

Xenie Lytvynenko (Czech Technical University in Prague)

Structural, Optical, and Electrical Evolution of Copper Selenite Nanocrystals Induced by Annealing

Speaker

Gulnaz Sarsekhan (Eurasian national university)

Nanocomposite Scintillator Films for Enhanced Gamma-Ray Interaction**Speaker**

Karmel DE OLIVEIRA LIMA (CEA-List)

P-Terphenyl as Novel Organic Scintillator for Alpha Spectroscopy, X-ray, Beta, and Neutron Detection as well as other Advanced Applications**Speaker**

Henry Chen (Brimrose Technology Corp)

Rh Doping Effects in BaTiO₃ Semiconductor Nanoparticles for Oxygen Evolution Reaction**Speaker**

Zakiyeva Zhadyra (Eurasian National University)

Investigation of Light Collection Enhancement in Scintillation Detectors via Micro-lens Array**Speaker**

Suyeon Hyeon

Synthesis, Characterization and X-ray Scintillation of CaWO₄ Embedded Polystyrene Composite Films**Speaker**

Manaswita Patnaik (Birla Institute of Technology, Mesra, Ranchi, India)

Ce-doped yttrium silicate nanoscintillators prepared by reactive nanocasting: towards porous scintillating silicate monoliths for gas detection**Speaker**

Aurélie Bessière (Institut Charles Gerhardt Montpellier (ICGM), Université de Montpellier, CNRS)

Development of CsI:TI Nanoparticles by Pulsed Laser Ablation Technique for Radiation Detection**Speaker**

Divya Pandya (Indian Institute of Technology, Madras)

Facile, scalable, and high-yield synthesis of a near-unity quantum yield zero-dimensional copper halide Cs₃Cu₂Cl₅ scintillator for high-resolution X-ray imaging**Speaker**

Youngseung Choi (Korea Advanced Institute of Science and Technology)

Cathodoluminescence Characterization of Luminescent Fluoride Nanoparticles**Speaker**

Ondrej Lalinsky (Institute of Scientific Instruments, Czech Academy of Sciences)

Engineered Nanostructuring in Lu₂O₃:Eu for Enhanced Scintillation Efficiency: From Core-Shell Design to Benchmarked Performance**Speaker**

AMRITPAL SINGH NAFRIA (Lamrin Tech Skills University)

Stokes Shift-Engineering Strategies Toward Reabsorption-Free Nanoscintillators

Speaker

Chenger Wang (Dipartimento di Scienza dei Materiali, Università degli Studi di Milano-Bicocca, Via R. Cozzi 55, 20125, Milano, Italy)

Exploration of Ultra Fast and Bright Scintillators**Speaker**

Kaleab Ayalew (National Nevada Security Sites)

Polymer-Assisted Precursor Spin-Coated Cs-Cu-I Thin Films for Scintillator**Speaker**

Se Hyun Park (School of Advanced Materials Science and Engineering, Sungkyunkwan University)

Additive Manufacturing of Photopolymerizable Organic Scintillators for Triple Radiation Discrimination**Speaker**

Margo Cicero (United States Naval Academy)

Performance of extruded polystyrene-based plastic scintillators**Speaker**

Rastislav Hodak (IEAP CTU in Prague (Czechia))

Scalable Nanophotonic Scintillators**Speaker**

James Pratt (University of Oxford)

Engineering energy-harvesting multicomponent nanoscintillators for enhanced cancer radiotherapy**Speaker**

Angelo Monguzzi (Department of Materials Science, Milano-Bicocca University, via R. Cozzi 55, 20125 Milano, Italy ; NANOMIB, Center for Biomedical Nanomedicine, Milano-Bicocca University, P.zza Ateneo Nuovo 1, 20126, Milano, Italy)

6:40 PM

4:00 PM

Poster Session: Optical ceramics and glasses**Poster Session****Effect of Soaking Time on the Optical and Scintillation Performances of Tb³⁺ Doped Oxyhalide Phosphate Glass****Speaker**

Nuttawadee Intachai (Department of Radiologic Technology, Faculty of Associated Medical Sciences, Chiang Mai University)

From discrete-pixel scintillation detector matrices for X-ray scanners to integrated technology via a ceramic-based fabrication route**Speaker**

Petr Sokolov (NRC "Kurchatov institute")

Luminescence Characteristic of Phosphate Glasses Scintillators**Speaker**

Siriprapa Kaewjaeng

The development of new Ce³⁺ doped silicophosphate glass for X-ray scintillator and application to synchrotron x-ray imaging**Speaker**

Nuanthip Wantana (Nakhon Pathom Rajabhat University, Thailand)

3D Printing of Sol-Gel Synthesized BGO Nanoparticle Ceramics for Radiation Detection**Speaker**

Vivek Anand (Indian Institute of Technology Roorkee, India)

Effects of halide component on luminescence and scintillation performance of Ce³⁺ doped inorganic phosphate glasses for radiation detection**Speaker**

YAOWALUK TARIWONG (Center of Radiation Research and Medical Imaging, Department of Radiologic Technology, Faculty of Associated Medical Sciences, Chiang Mai University, Chiang Mai, Thailand)

Sm³⁺-doped Sodium Yttrium Borate Glass for X-ray Imaging Scintillator**Speaker**

Eakgapon Kaewnuam (Muban Chombueng Rajabhat University)

Tb³⁺-Doped Alkali Boro-Phosphate Glasses as Promising Scintillators for X-Ray Imaging Applications**Speaker**

Nuchjaree Kiwsakunkran (Physics Program, Faculty of Science and Technology, Nakhon Pathom Rajabhat University, Nakhon Pathom, 73000, Thailand)

Scintillation and Synchrotron X-ray Tomography Performance of Ce³⁺-Activated Oxyhalide Glass Scintillators**Speaker**

suchart kothan (Center of Radiation Research and Medical Imaging, Department of Radiologic Technology, Faculty of Associated Medical Sciences, Chiang Mai University, Chiang Mai, 50200, Thailand)

Fast Fabrication of Eu₂O₃-Doped Silicate Glass Scintillator Prepared by Microwave Melting Technique**Speaker**

Nakarin Singkiburin (Physics Program, Faculty of Science and Technology, Nakhon Pathom Rajabhat University, Thailand)

6:40 PM

Wed, May 27

9:00 AM

Invited talk: Rosana Martinez Turtos

Session

9:45 AM

9:45 AM

Session 9 : Mechanisms and theory of scintillation

Session

9:45 - 9:57 AM

Continued Progress in Spectroscopic Characterization of Scintillators with Cation Isoelectronic Impurities

Speaker

Yuriy Zorenko (Kazimierz Wielki University in Bydgoszcz in Bydgoszcz)

9:57 - 10:09 AM

Core-level excitation and excitonic processes in heavy ternary fluorides

Speaker

Vitali Nagirnyi (Institute of Physics, University of Tartu)

10:09 - 10:21 AM

Unveiling the Microscopic Mechanism of Mg Co-doped GAGG:Ce Scintillators: From Defect Thermodynamics to Quantum Optical Acceleration

Speaker

Yiran Hou

10:21 - 10:33 AM

Bridging UV and soft X-ray excitation in luminescent materials for scintillation and dosimetry

Speaker

Roberto Lorenzi (University of Milan - Bicocca)

10:33 - 10:45 AM

Lattice dynamics of Cs₃Cu₂I₅ scintillator investigated by temperature-dependent inelastic neutron scattering

Speaker

Lorant Csige (HUN-REN Institute for Nuclear Research)

10:50 AM

10:50 AM

Coffee break

Session

11:20 AM

11:20 AM

Session 10 : Applications of scintillators in fundamental research, health, environment, energy, metrology, and industrial controls: Part 2

Session

11:20 - 11:38 AM

[Key-note] The Upgrade of the LHCb Electromagnetic Calorimeter: Light-based Technologies with Picosecond Timing

Speaker

Loris Martinazzoli (CERN)

11:38 - 11:50 AM

Empirical Test of Gamma Emission Tomography to Inspect Partial-defect within PWR-type Spent Nuclear Fuel**Speaker**

Hyung-Joo Choi (Department of Radiation Convergence Engineering, Yonsei University, Republic of Korea)

11:50 AM - 12:02 PM

Introduction of the High-Energy Neutron and Ion Implant Accelerator Facility at the KOMAC**Speaker**

Young Seok Hwang (Korea Atomic Energy Research Institute)

12:02 - 12:14 PM

Understanding Scintillation in Focused sub-10keV Electron Beam Irradiation for novel Electron Microscopy Detectors**Speaker**

Monika Molnar (Technical University Delft)

12:14 - 12:26 PM

MET: A High-Sensitivity Multiple Emission Tomography Scanner Based On Inorganic Scintillators**Speaker**

Marco Pizzichemi (CERN)

12:26 - 12:38 PM

Investigation of High-Sensitivity TOF-PET Modules with Depth-of-Interaction Capability**Speaker**

Giulia Terragni (CERN)

12:38 - 12:50 PM

In Situ Dose Measurements in Brachytherapy and External Beam Radiotherapy Using Scintillation Fiber-Optic Detectors**Speaker**

Janusz Winiecki (Collegium Medicum - Nicholas Copernicus University, Poland and Oncology Center in Bydgoszcz, Poland)

12:50 PM

12:50 PM

6:50 PM

Lunch and Excursions**Session**

Thu, May 28

9:00 AM

Invited talk: Hyunsu Lee

Session

9:45 AM

9:45 AM

Session 11 : Scintillators for neutron detection and imaging: Part 2

Session

9:45 - 9:57 AM

Advances in 3D-printed plastic scintillators: new results on timing performance, PSD, optimization, and environmental durability

Speaker

Vivek Anand (Indian Institute of Technology Roorkee, India)

9:57 - 10:09 AM

Size matters not: fast neutron detection with fiber-coupled sub-mm³ organic scintillator.

Speaker

Alexis Dupont-Bembinoff (Ecole Polytechnique Fédérale de Lausanne (EPFL))

10:09 - 10:21 AM

Fabrication of Novel Deuterated Plastic Scintillators for Neutron Spectroscopy

Speaker

Daniel Rutstrom (Air Force Institute of Technology)

10:21 - 10:33 AM

Rapid Photocured Plastic Scintillators for Radiation Detection and Additive Manufacturing Applications

Speaker

Chandler Moore (Air Force Institute of Technology)

10:33 - 10:45 AM

Quenching-Factor Determination for (n,p) and (n, α) Reactions in CLYC Using KRISS Mono-energetic Neutrons

Speaker

Sinchul Kang (IBS)

10:50 AM

10:50 AM

Coffee break

Session

11:20 AM

11:20 AM

Session 12 : Applications of scintillators in fundamental research, health, environment, energy, metrology, and industrial controls: Part 3

Session

11:20 - 11:32 AM

Light Signal Study with the AMoRE Cryogenic Light Detector

Speaker

Bijaya Sharma (IBS School, UST)

11:32 - 11:44 AM

CUPID: Search for neutrinoless double beta decay with scintillating Li₂MoO₄ crystals**Speaker**

Long Ma

11:44 - 11:56 AM

Cryogenic Performance of a Diffuse BGO Scintillator Array in the KAPAE Phase II Detector**Speaker**

Dongwoo Jeong (KNU)

11:56 AM - 12:08 PM

Development of an Upgraded NaI(Tl) Crystal Encapsulation for the COSINE-100U Experiment: Maximizing Light Yield for Low-Mass Dark Matter Searches**Speaker**

Insoo Lee (IBS)

12:08 - 12:20 PM

The SABRE North project at Gran Sasso Laboratory**Speaker**

Krzysztof Szczepaniec (I.N.F.N. Laboratori Nazionali del Gran Sasso)

12:20 - 12:32 PM

Development of a Cryogenic CsI and SiPM-based Detector with Ultra-high Light Yield for CEvNS Experiments**Speaker**

Xilei Sun (Institute of High Energy Physics, CAS)

12:35 PM

12:35 PM

Lunch

Session

2:00 PM

2:00 PM

Session 13 : Characterizations of scintillators

Session

2:00 - 2:12 PM

Luminescence and energy transfer processes in Sc containing garnets**Speaker**

Dmitry Spasskiy (Institute of Physics, University of Tartu)

2:12 - 2:24 PM

Influence of double aliovalent codoping on the luminescence of YAG:Ce scintillator**Speaker**

Saulius Nargelas (Vilnius University)

2:24 - 2:36 PM

Energy Transfer and Luminescence Regulation Enabling Enhanced Scintillation Efficiency for High-Resolution X-Ray Imaging in Mn²⁺/Eu²⁺-Doped Cs₃Cu₂I₅ Single Crystals**Speaker**

Qiang Gao (State Key Laboratory of Functional Crystals and Devices, Shanghai Institute of Ceramics, Chinese Academy of Sciences, 201899, Shanghai, China)

2:36 – 2:48 PM

Impact of Cs+ doping on the Scintillation Performance of $Tl(Gd_{0.99}Ce_{0.01})_2Cl_7$ Single Crystals**Speaker**

Gul Rooh (Kyungpook National University, Korea)

2:48 – 3:00 PM

Polymer-Enhanced $Cs_3Cu_2I_5$ Perovskite Scintillator Films with Improved Stability and X-Ray Imaging Quality**Speaker**

Ha Neul Kim (Dept. of Photonics and Nanoelectronics, BK21 FOUR ERICA-ACE Center, Hanyang University ERICA, Ansan, 15588, Republic of Korea)

3:00 – 3:12 PM

Effect of Tertiary and Quaternary Polystyrene-Based Plastic Scintillators on Energy Transfer Efficiency in Radiation Detection**Speaker**

Rajesh Paulraj (Sri Sivasubramaniya Nadar College of Engineering, Chennai, India)

3:12 – 3:24 PM

Trans-Stilbene Photoluminescence and Scintillation Property Evolution with Temperature**Speaker**

Federico Moretti (Lawrence Berkeley National Laboratory)

3:24 – 3:36 PM

Thallium-based new high-density scintillator crystal: Tl_2SiF_6 **Speaker**

Joseph Daniel D (Kyungpook National University, CHEP)

3:40 PM

3:40 PM

Coffee break

Session

4:10 PM

4:10 PM

Session 14 : Nano- and metamaterials, hybrids, organic, and liquid scintillators: Part 3

Session

4:10 – 4:22 PM

Limiting exciton diffusion enhances the photoluminescence of $CsPbBr_3$ nanocrystal films at high excitation densities**Speaker**

Simon Jessen (Aarhus University)

4:22 – 4:34 PM

Breaking the Concentration-Self-Absorption Trade-Off in Perovskite Nanoscintillators**Speaker**

Francesco Carulli (Università di Milano-Bicocca)

4:34 – 4:46 PM

Development of cesium lead halide nanocomposite scintillators for high energy physics

	<p>Speaker Jan Král (Institute of Physics of Czech Academy of Sciences, CTU in Prague)</p>
	<p>4:46 - 4:58 PM</p> <p>Near-infrared scintillation of lead halide perovskite nanocrystals for ultra-high dose rate dosimetry</p> <p>Speaker Vittoria Vigorito (University of Milano-Bicocca)</p>
	<p>4:58 - 5:10 PM</p> <p>Development of Cs₃Cu₂I₅:Tl Optical-Guiding Crystal Scintillators and Geant4-Based Analysis of Micron-Scale Core Miniaturization</p> <p>Speaker Yuhei Nakata (Tohoku University)</p>
	<p>5:10 - 5:22 PM</p> <p>Low-temperature afterglow investigations of GGAG:Ce(4 mol%) scintillators synthesized via solvothermal method</p> <p>Speakers Mohit Tyagi (Crystal Technology Section, Technical Physics Division, Bhabha Atomic Research Centre (BARC)), SHEETAL RAWAT (Pandit Deendayal Energy University)</p>
5:30 PM	
5:30 PM	
6:30 PM	<p>Brainstorming of the future of Scintillation Science Session</p>
8:00 PM	
10:00 PM	<p>Banquet: Gala dinner Session</p>

Fri, May 29

9:00 AM

Session 15 : Characterizations of scintillators: Part 3

Session

9:00 – 9:18 AM

[Key-note] Research on the novel glass scintillator for high-energy radiation detection

Speaker

Sen QIAN (IHEP CAS)

9:18 – 9:30 AM

Radiation Effects and Luminescence Properties of Optical Materials for Fusion Diagnostics and Scintillator Applications.

Speaker

Anatoli Popov (Institute of Solid State Physics University of Latvia)

9:30 – 9:42 AM

R&D on Radiation-Tolerant Organic Scintillators for High-Energy Physics Experiments

Speaker

Julie Delenne (CERN)

9:42 – 9:54 AM

Characterization of Lutetium-based cryogenic scintillating calorimeters.

Speaker

Mathew Stukel (SNOLAB)

9:54 – 10:06 AM

Impact of Swift Heavy ^{84}Kr Ions Irradiation on the Luminescent Properties of $\text{R}_3\text{Al}_5\text{O}_{12}:\text{Ce}$ (R = Lu, Y, Tb) Single Crystalline Film Scintillators

Speaker

Alma Dauletbekova (L N Gumilyov Eurasian National University)

10:06 – 10:18 AM

Challenges in development of an undulator-based photoluminescence spectroscopy beamline

Speaker

Kirill Chernenko (MAX IV Laboratory, Lund University)

10:18 – 10:30 AM

Temperature Dependent Scintillation of Plastic Scintillators between 300 K and 4 K

Speaker

Nicholas Swidinsky (Queen's University)

10:30 AM

10:30 AM

10:45 AM

Coffee break

Session

10:45 AM

Session 16 : Applications of scintillators in fundamental research, health, environment, energy, metrology, and industrial controls: Part 4

Session

10:45 - 11:03 AM

[Key-note] Introduction to the KPLO Gamma-Ray Spectrometer and Major Scientific Results

Speaker

Kyeong Ja Kim

11:03 - 11:15 AM

Garnet-Based Composite Scintillators for Radiation Dosimetry in BNCT Applications

Speaker

Sandra Witkiewicz-Lukaszek (Kazimierz Wielki University in Bydgoszcz and National Centre for Nuclear Research in Otwock/Świerk)

11:15 - 11:27 AM

pFGI: A High-Sensitivity Portable Fast Gamma Imager Using Large-Area Monolithic NaI(Tl) Scintillation Detectors

Speaker

Goeun Lee (Other)

11:27 - 11:39 AM

LiveX - A dual field of view detector for synchrotron studies of metal solidification

Speaker

Sion Richards (UKRI - Science and Technology Facilities Council)

11:39 - 11:51 AM

Energy Discrimination using a Phoswich for Material Separation in X-ray Transmission Imaging

Speaker

Alexander Kippax (University of Manchester)

11:55 AM

11:55 AM

12:10 PM

Conference Closing Ceremony

Session