

Session Program

Mar 15 - 21, 2024



2024 INTERNATIONAL TOPICAL MEETING ON NUCLEAR APPLICATIONS OF ACCELERATORS

Poster Session - Light Reception

Sheraton Waterside Hotel, Ballroom
777 Waterside Dr. Norfolk, VA 23510

Tue, March 19

5:30 PM

Poster Session - Light Reception

Session | **Location:** Sheraton Waterside Hotel, 3rd Floor - Poplar/Providence Hall

17:35 - 17:36 **Switching Irradiation Facility in Jordan from Co-60 to e-beam X-Ray**

Speaker

Mr MOH'D AMER ETOOM

17:36 - 17:37

The Effect of Electron Beam Irradiation on Bio-threatened Organic Artefacts

Speaker

Hassan Abdelrehim

17:37 - 17:38

Advanced Monte Carlo simulations and benchmark of residual dose rate assessments in the ATLAS detector at CERN LHC

Speaker

Mr Tommaso Lorenzon

17:38 - 17:39

Radiation as Sterilization Modality of Intravenous Fluid Delivery System Device and its Effects on the Physicochemical and Functional Properties

Speaker

Jeric Flores

17:39 - 17:40

Shielding Properties of Lead-Free Tellurite Glasses against Photons, Neutrons, and Ions

Speaker

Devendra Raj Upadhyay

17:40 - 17:41

Upgrading and development of the Lebanese accelerator setup for IBA applications in environment and archaeology

Speaker

Mohamad Roumie

17:41 - 17:42

HIF IFE Industry for Industry

Speaker

Robert Burke

17:42 - 17:43

Coupled Target-Beam-Moderator Optimization for the Second Target Station

Speaker

Kristel Ghos

17:43 - 17:44

- Towards cancer nanoradiopharmaceuticals - radioisotope nanocarrier system for prostate cancer theranostics based on radiation-synthesized polymer nanogels

Speaker

Slawomir Kadlubowski

17:44 - 17:45 Status of Accelerator Facilities in Thailand: Past, Present, and Future**Speaker**

Ms Manchusa Chinnawet

17:45 - 17:46**Design of the Moderator Reflector Assembly for the Second Target Station****Speaker**

James Janney

17:46 - 17:47**ORNL Second Target Station Vessel Systems Preliminary Design Update****Speaker**

Chris Anton

17:47 - 17:48**Radiation Induced Recycling of Polycarbonate and Acrylonitrile Butadiene Styrene Plastics by Gamma Radiation and Electron Beam****Speaker**

Otsile Tikologo

17:48 - 17:49**Contribution of PM2.5 Organic and Inorganic Components to Air pollution in Lebanon****Speaker**

Dr Bilal Nsouli

17:49 - 17:50**Electron Beam Decomposition of Losartan and Methocarbamol Two Emerging Pollutants from Aqueous Solutions****Speaker**

ZAOUAK AMIRA

17:50 - 17:51**Physicochemical Properties of E-beam Irradiated Honey****Speakers**

Ms Asma Khan, Hemlata Bagla

17:51 - 17:52**Simulation of dose distribution with PUFFIn® software on hydrogels for environmental applications****Speaker**

Brian Borda

17:52 - 17:53**Comparison of Computational Codes for the Accelerator-Based and Reactor-Based Production of Cooper-67****Speaker**

Luis Fernando Salas Tapia

17:53 - 17:54**Electron Beam Technology for Enhanced Methane Generation in Resource Recovery Facilities**

Speaker

Satya Patel

17:54 - 17:55 Study of neutron production in accelerator-driven spallation targets**Speaker**

Prof. JOSE CASSIMIRO SILVA

17:55 - 17:56**Multi-technique hair analysis to determine occupational metal exposure in Sudanese gold artisanal miners****Speaker**

Dr Mohamed Eisa

17:56 - 17:57**Electro-mechanical Behavior of Irradiated Nano-filled Polyvinyl Alcohol****Speaker**

Abdelghaffar Amoka Abdelmalik

17:57 - 17:58**Challenges and Considerations in Transitioning from Cobalt-60 to Linear Accelerators for Radiotherapy in LMICs Healthcare Settings: A Case Study of Nepal****Speaker**

Dr Kanchan P Adhikari

17:58 - 17:59 High Yield Muon Catalyzed Fusion & Muonium**Speaker**

Erica Garcia Badaracco

17:59 - 18:00**Muography in the context of general relativity and extremely massive objects****Speaker**

Mr Akitoshi Okutsu

18:00 - 18:01**Regulatory Control at Class I Accelerator facilities in Argentina: Present and Future****Speaker**

Germán Rabi

18:01 - 18:02 A Novel Low-Energy Muon Production Beamline at Fermilab**Speaker**

Wesley Winter

18:02 - 18:03**Alpha Track Detection from Industrial Effluents on Polymeric CR-39 Solid State Nuclear Track Detector****Speaker**

Hemlata Bagla

18:03 - 18:04**DYNAMITRON® DC 1500/25/4 TYPE ELECTRON BEAM ACCELERATOR SCAN SYSTEM UPDATE**

Speaker
Samir Luiz Somessari

18:04 - 18:05

Upgrades to the Photoinjector and ICS Interaction Point Chamber of CXLS

Speaker
Taryn Brown

18:05 - 18:20

Microplastic Release from E-Beam Sterilized Polymeric Materials Used in Contact with Aqueous Fluids

Speaker
Mr Anand Raicha

7:00 PM