



## PROGRAMME OF ACTIVITIES

December 7

### DAY 1

9:30 AM – 10:00 AM

#### OPENING PROGRAM

- Doxology and National Anthem
- Opening Remarks and Introduction to the AEW Technical Session

**Ms. Haydee Solomon**

Chair, Technical Sessions Committee

10:00 AM – 11:00 AM

#### SESSION 1: NUCLEAR TECHNOLOGY FOR ENERGY AND INDUSTRY

**Moderator: Patrick Jay E. Cabalar**

- Introducing Nuclear Energy: An Unlimited and Clean Source of Energy  
**Dr. Carlo A. Arcilla**  
Director, DOST-PNRI
- Reoperation of the Philippine Research Reactor (PNRR-1) through SATER  
**Mr. Ryan U. Olivares**  
Head, Nuclear Reactor Operations Section, DOST-PNRI  
**Dr. Alvie J. Asuncion-Astronomo**  
Associate Scientist, DOST-PNRI
- Radiation Processing of Polymer Materials and its Industrial Applications  
**Dr. Jordan F. Madrid**  
Head, Chemistry Research Section, DOST-PNRI
- Development of a Gamma-Computed Tomography Imaging Device for Industrial Applications  
**Dr. Vallerie Ann I. Samson**  
Deputy Director, DOST-PNRI
- Live Q&A, Announcements
- Technical exhibit videos

11:00 AM – 12:00 NN

#### SESSION 2: NUCLEAR TECHNOLOGY FOR HEALTH AND MEDICINE

**Moderator: Dr. Custer Deocaris**

- Expanding Accessible Nuclear Applications in Cancer Management: The PNRI PET/CT and Cyclotron Project

**Dr. Thomas Neil B. Pascual**

Science and Technology Fellow III, DOST-PNRI

- Future-Proofing Against the Threats of Transboundary Animal Diseases  
**Dr. Virginia M. Venturina**  
Director, Center for Transboundary Diseases and  
Dean, Central Luzon State University
- Determining Radiosensitivity of Cancer Patients using Dicentric, Micronucleus, and Gene Expression Assays  
**Dr. Stephen Lowell Ciocon**  
Chief Resident, Jose R. Reyes Memorial Medical Center
- New Approaches and In Vivo Studies on the Mitigation of Ionizing Radiation Injury  
**Dr. Chitho P. Feliciano**  
Head, Health Physics Research Section, DOST-PNRI
- Live Q&A, Announcements
- Technical exhibit videos

**1:30 PM – 4:20 PM**

**SPECIAL SESSION: NUCLEAR TECHNOLOGY RESEARCH  
AND PERSPECTIVES FROM IAEA EXPERTS**

**Moderator: Dr. Alvie Asuncion-Astronomo**

- Opening Message  
**Dr. Vallerie Ann I. Samson,**  
Deputy Director, DOST-PNRI
- IAEA Technical Cooperation in Asia and the Pacific  
**Dr. Syahril Syahril**  
International Atomic Energy Agency
- Reactor Operation: Insights and Experience Sharing  
**Dr. Anze Jazbec**  
Jozef Stefan Institute, Slovenia
- Health Break
- Nuclear TEChnology for Controlling Plastic Pollution (NUTEC Plastics)  
**Dr. Uwe Gohs**  
Institute of Lightweight Engineering and Polymer Technology, Technische Universität Dresden
- Nuclear Techniques in Food Authenticity  
**Dr. Simon Kelly**  
International Atomic Energy Agency
- Nuclear Instrumentation  
**Dr. Petr Sladek**  
International Atomic Energy Agency

## PROGRAMME OF ACTIVITIES

December 9, 2021

### DAY 2

9:30 AM – 10:30 AM

### SESSION 3: NUCLEAR TECHNOLOGY FOR THE ENVIRONMENT AND AGRICULTURE

**Moderator: Jerald Bongalos**

- Radiation Grafted Abaca-polyester Toxic Metal Adsorbent  
**Mr. Patrick Jay E. Cabalar**  
Science Research Specialist I, Chemistry Research Section, DOST-PNRI
- Iodine-129 for Reconstructing Past Nuclear Impacts and Tracing Earth and Environmental Processes  
**Dr. Angel T. Bautista VII**  
Head, Nuclear Materials Research Section, DOST-PNRI
- Nutrient Source Apportionment and Monitoring of Natural Attenuation Processes using NATS and Stable Isotopes  
**Mr. Raymond J. Sucgang**  
Head, Nuclear Analytical Techniques Applications Section, DOST-PNRI
- Soil Carbon Management with Stable Isotopes for Sustainable Agriculture  
**Mr. Gerald P. Dicen**  
Science Research Specialist II, Agriculture Research Section, DOST-PNRI
- Live Q&A, Announcements
- Technical exhibit videos

## PROGRAMME OF ACTIVITIES

December 9, 2021

### DAY 2

10:30 AM – 12:00 NN

#### SESSION 4: NUCLEAR SAFETY, SECURITY AND SAFEGUARDS, RADIATION PROTECTION AND RADIOACTIVE WASTE MANAGEMENT

**Moderator: Jeana Lee Sablay**

- Cradle to Grave: Safe Management of Radioactive Waste

**Engr. Ronald E. Piquero**

Senior Science Research Specialist, Radiation Protection Services Section, DOST-PNRI

- Radiation Exposures of the Public in the Philippines – Sources and Levels

**Ms. Kristine Marie D. Romallosa**

Head, Radiation Protection Services Section, DOST-PNRI

- Culture of Safety: Nuclear and Radiation

**Dr. Vangeline K. Parami**

Retired Associate Scientist, DOST-PNRI

- Overview of the Proposed Creation of the Philippine Atomic Regulatory Commission (PARC)

**Engr. Alfonso A. Singayan,**

Senior Science Research Specialist, Regulations and Standards Development Section, DOST-PNRI

- Live Q&A, Announcements
- Technical exhibit videos
- Closing Remarks and Announcements