IRPA Regional Congress

AOCRP-4
The Fourth Asian and Oceanic Congress on Radiation Protection

Program Highlight
May 12-16, 2014
Kuala Lumpur Malaysia
Program Highlight

Sunday, May 11, 2014

15:00 ~ 17:30 Registration
18.00 ~ 19:30 Reception

Monday, May 12, 2014

09:00 ~ 10:30 Registration
10:30 ~ 11:30 Opening Session: Tun Hussein Onn Hall, Level 2, PWTC
   Welcoming Remarks
   Dato’ Dr. Muhammad Lebai Juri, President of MARPA, Malaysia
   Opening Remarks: Tun Hussein Onn Hall, Level 2, PWTC
   YB. Datuk Dr. Abu Bakar bin Mohamad Diah
   Deputy Minister of Science Technology and Innovation

   Congratulatory Remarks: Tun Hussein Onn Hall, Level 2, PWTC
   Prof. Toshio Kosako, President of AOARP
   Dr. Renate Czarwinski, President IRPA

11:30 ~ 12:30 Keynote Paper: Tun Hussein Onn Hall, Level 2, PWTC
   Dato’ Dr. Muhammad Lebai Juri, Director General, Malaysian Nuclear Agency
   “Strengthening of Radiation Protection Culture”

12.30 ~ 14.00 LUNCH & POSTER VIEWING (PP1-PP4)

14.00 ~ 16.30 IAEA Special Session: Kuala Lumpur Room, Level 5, PWTC
   “International voice of the radiation protection profession in IAEA”
   Chair: Dr. Haridasan Pappinisseri Puthanveedu (IAEA)
   Co-Chair: Dr. Teng Iyu Lin, Malaysia

   President Keynote
   14:00 -14:30 Dr. Haridasan Pappinisseri Puthanveedu (IAEA)
      “An Overview of the International Basic Safety Standards, GSR Part 3”
   14.30 - 14.50 Dr. Haridasan Pappinisseri Puthanveedu (IAEA)
      “The International Basic Safety Standard - Requirements on Natural Sources”
   14.50 - 15:20 Dr. Fan Zhiwen (IAEA)
      “BSS Requirements on Radioactive Waste Management”
   15:20 - 16:00 Dr. Teng Iyu Lin (AELB)
      “Practical Challenges in Implementing the Requirements In Malaysia Case 1”
   15:40 - 16:00 Dr. Sen Lin Liu (CSRP)
      “Practical Challenges in Implementing the Requirements in Industries Involving NORM in China – Case 2”

15:45 - 16:30 Discussion
14:00 ~ 16:00  OP1-Health Effect of Ionizing Radiation: Redang Room, Level 3, PWTC
Chair: Dr Haruyuki Ogino, Japan

OP1-1 Vanhavere Filip, Belgian Nuclear Research Centre, Belgium
“The Renewed Attention for Eye Lens Doses to Occupationally Exposed Workers”

OP1-2 Pimei Nancy Yen, National Yang-Ming University, Taiwan
“Longitudinal Change in Health-Related Quality of Life was a Determinant of Depressive Symptoms in a Cohort with Prolonged Low-Dose-Rate Radiation Exposure from γ-Radiation Contaminated Buildings in Taiwan”

OP1-3 Hiromitsu Ogata, National Institute of Public Health, Japan
“Risk Evaluation of Low Dose / Dose-Rate Radiation by Quantitative Analysis of Protein Expression, Using Reverse-Phase Protein Array”

OP1-4 Fatemeh Pakniat, Shahid Beheshti University of Medical Sciences, Iran
“Radioadaptive Response in Peripheral Blood Leukocytes of Occupationally Exposed Medical Staff with Investigating DNA Damage by the Use of Neutral Comet Assay”

14:00 ~ 16:00  OP2-Radiation Measurement and Dosimetry: Perhentian Room, Level 3, PWTC
Chair: Prof. Dr. Amran Abd. Majid, Malaysia

OP2-1 Pramilla Damodar Sawant, Bhabha Atomic Research Centre, India
“Nasal Swab Action Levels for Plutonium based on Aerosol Characteristics and Breathing Patterns of Individuals”

OP2-2 Hiroko Yoshida, Tohoku University, Japan
“Evaluation of Effective Doses Obtained from Gamma-ray Spectra in the Fukushima Nuclear Exclusion Zone”

OP2-3 Noor Fadilla Ismail, Malaysian Nuclear Agency
“Whole Body Counter- Steps For Internal Dose Monitoring Service”

OP2-4 Jojo Panakal John, Fatima Mata National College, India
“Ingestion Dose due to the Primordial Radionuclei in Vegetables Grown in the HBRA, Kerala, India”

OP2-5 Hee-Seock Lee, Pohang Accelerator Laboratory/POSTECH, South Korea
“Radiation Shielding Study of Superconducting RF Cavities of PLS-II”

16:00 ~ 16:30  COFFEE BREAK & POSTER VIEWING (PP1-PP4)

16:30 ~ 19:00  AOARP Special Session, Kuala Lumpur Room, Level 5, PWTC
“International voice of the radiation protection profession in Asia and Oceania”
Chair: Prof. Toshiso Kosako, Japan
Co-Chair: Dr. Noriah Bt. Mod Ali, Malaysia
President Keynote
16:30 - 17:00 Prof. Toshiso Kosako (AOARP, Asian and Oceanic Association for Radiation Protection President)
“Radiation Protection Learned from Fukushima Daiich NPP Accident”

Associate Society Presentations
17:00 - 17:15 Dr. Antony M. Hooker (Australian Radiation Protection Society)
“Key Challenges for Present and Future Radiation Protection Agencies – an Australian Perspective”

17:15 - 17:30 Dr. Senlin Liu (China Society of Radiation Protection):
“Current Activities on the Enhancement of China Society for Radiation Protection”

17:30 - 17:45 Dr. Daisuke Sugiyama (Japan Health Physics Society):
“The Second Set of Recommendations from JHPS on Radiation Protection Issues after Fukushima Accident”

17:45 - 18:00 Dr. Kyo-Youn Kim (Korean Association for Radiation Protection):
“Korean Association for Radiation Protection; Current Status and Activities”

18:00 - 18:15 Dr. Noriah Bt. Mod Ali (Malaysian Radiation Protection Association):
“Enhancement on Radiation Protection System in Malaysia: Post- Fukushima Nuclear Accident”

18:15 - 19.00 General discussion

Tuesday, May 13, 2014

09.00 ~ 10.00 Refresher Course 1: Kuala Lumpur Room, Level 5, PWTC
Mr Sander Collier Perle, Mirion Technologies, USA

Refresher Course 2: Redang Room, Level 3, PWTC
Dr Pramilla Damodar Sawant, Bhabha Atomic Research Centre, India
RC2: “Optimization in Monitoring of Internal Exposure“

Refresher Course 3: Perhentian Room, Level 3, PWTC
Dr Haridasan Pappinisseri Puthanveedu, International Atomic Energy Agency (IAEA)
RC3: “Radiation Protection in Industries involving Naturally Occurring Radioactive Material (NORM)”

10.00 ~ 10.30 COFFEE BREAK & POSTER VIEWING (PP1-PP4)

10.30 ~ 12.30 IOMP- WHO Special Session: Kuala Lumpur Room, Level 5, PWTC
“Radiation Protection in Clinical Environment: Roles and Responsibility of Healthcare Providers”
Chair: Dr. Maria Del Rosario Perez
10.30 – 10.40  Opening remarks, introduction of speakers

10:40 - 11:10   Dr. Maria Del Rosario Perez, WHO, Switzerland
“Radiation protection in medicine- the new BSS and the Bonn-Call-for-Action”

11:10 - 11:40 Dr. Kin Yin Cheung, IOMP & Hong Kong Sanatorium and Hospital, Hong Kong, China
‘Establishing a Radiation Safety Culture in Healthcare’

11:40 - 12:10 Dr. Kwan-Hoong Ng, AFOMP & University of Malaya, Kuala Lumpur, Malaysia
“Challenges and Opportunities for Improving Radiation Safety in Healthcare in Asia and Oceanic Countries”

12:10 – 12.30 Question &Answer, Discussion, Closing remarks

10:30 ~ 12:30  OP3-Monitoring Methods, Equipment and Instrumentation:
Redang Room, Level 3, PWTC
Chair: Dr. Antony M. Hooker, Australia

OP3-1 Anne Laure Lebacq, Belgian Nuclear Research Centre, Belgium
“Development of Female Computational Phantoms for Lung Counting Calibrations”

OP3-2 Ashok Kumar Bakshi, Bhabha Atomic Research Centre, India
“Development of a Computer Controlled Multi Source Gamma Irradiation System for Quality Assurance in TL Personnel Monitoring”

OP3-3 Dong Wang, Key Laboratory of Applied Nuclear Technology in Geosciences China, China
“Monte Carlo Simulation of the $\gamma$-ray Spectra in the Marine Environment”

OP3-4 Hye Min PARK, Myongji University, South Korea
“The Design of a Remote Radiation Sensing Module based on Compact Silicon Photomultiplier for Homeland Security Screening”

OP3-5 Hiroki Ohtani, Tokyo Metropolitan University, Japan
“Development of the Non-Permeating Shield Stone to the Radioactive Material in Environment”

10:30 ~ 12:30 OP4-Safety and Security of Radiation Sources:
Perhentian Room, Level 3, PWTC
Chair: Dr Sen-lin Liu, China

OP4-1 Mohammad Aref Mohalhel, Weatherford, UAE
“Security of Radioactive Materials in Oil & Gas Industry (Compliance & Challenges)”

OP4-2 Frederic A. Morris, Pacific Northwest National Laboratory, USA

OP4-3 Allan Murray, Australian Nuclear Science and Technology
“The Role of Radiation Protection Officers in Radioactive Source Security”

Mohd Irwan Effendi Bin Mohd Nordin, Atomic Energy Licensing Board, Malaysia

“Determination of Detection Alarm Parameter, based on RadiationPortal Monitor Data at Port Klang, Malaysia”

Noor Syakeera Mukhelas, Ministry of Health, Malaysia

“Security of Category 1 and 2 Sources in Medical Facilities, Malaysia”

12.30 ~ 14.00 LUNCH & POSTER VIEWING (PP1-PP4)

14.00 ~ 16.00 IRPA Special Forum: Kuala Lumpur Room, Level 5, PWTC

Current IRPA Activities : Kuala Lumpur Room, Level 5, PWTC

Chairs: Dr. Renate Czarwinski (IRPA President)

Co-chairs: Dato’ Dr. Muhamad Lebai Juri (MARPA President)

14.00 - 14.45 Dr. Renate Czarwinski (IRPA)

“IRPA Policy and Strategy”

14.45 - 14.50 Dr. Bernard Le Guen (IRPA)

“Voting on the Sieviert Award Information on IRPA 14 in Capetown”

14.50 - 15.30 Discussion

15.30 - 16.00 Dr. Bernard Le Guen (IRPA)

“IRPA Guidelines on RP Culture”

16.00 ~ 16.30 Activities of Asian Societies : Kuala Lumpur Room, Level 5, PWTC

Chair: Prof. Toshiso Kosako (AOARP President)

16.00 - 16.10 Prof. Toshiso Kosako (AOARP)

“AOARP Initiatives”

16.10 - 16.25 Discussion

16.25 - 16.30 Prof. Toshiso Kosako (AOARP)

“Summary of IRPA AS Forum”

14.00 ~ 16.00 OP3- Monitoring Methods, Equipment and Instrumentation:

Redang Room, Level 3, PWTC

Chair: Dr. Dong Myung Lee, Korea

Seyed Alireza Rashidi, University of Science & Technology, Iran

“The Study of Structure, Based on Chemical Analysis of CaSO₄: Dy Dosimeter”

Yoshimune Ogata, Nagoya University, Japan

“Development of a Simple Absolute Activity Measurement -Modified Sum-Peak Method-”
OP3-8 Shiang-Huei Jiang, National Tsing Hua University, Taiwan
"An Advanced Local-Area Environmental Radiation Survey Measurement System"

OP3-9 Zhao Ri, China Institute for Radiation Protection, China
"Development of the Measurement of the Hp(3)"

OP3-10 Ikuo Kobayashi, Nagase Landauer Ltd, Japan
"OSL Radiation Dose Measurement for Therapy"

14.00 ~ 16.00
OP5-Radiation Protection in Nuclear Safety: Perhentian Room, Level 3, PWTC
Chair: Dr Daisuke Sugiyama, Japan

OP5-1 Azimawati Ahmad, Malaysian Nuclear Agency, Malaysia
"Nuclear Malaysia Leak Test Laboratory"

OP5-3 Chayanit Jumpee, Chulalongkorn University, Thailand
"Innovative Neutron Shielding Material Composing of Natural Rubber-Styrene Butadiene Rubber Blends Diboron Trioxide and Lead Dioxide"

OP5-4 Gil Yong Cha, RADCORE, Co., Ltd., South Korea
"An Evaluation of the Shielding Factors for Korean Building Structures"

OP5-5 Ahmad Bazlie Abd Kadir, Malaysian Nuclear Agency, Malaysia
"Occupational Radiation Exposure in Malaysia from Year 2010 to 2013"

16.00 ~16.30 COFFEE BREAK & POSTER VIEWING (PP1-PP4)

20.00 ~22.00 CONGRESS DINNER

Wednesday, May 14, 2014

09.00 ~ 10.00 Refresher Course 4: Kuala Lumpur Room, Level 5, PWTC
Mr Frederic Allen Morris, Pacific Northwest National Laboratory, USA
RC4: "Security Culture for Radioactive Source"

Refresher Course 5: Redang Room, Level 3, PWTC
Mr Allan Murray, Nuclear Safety and Security Consultant, Australia
RC5: "Emergency Preparedness and Response"

Refresher Course 6: Perhentian Room, Level 3, PWTC
Dr. Maria Del Rosario Perez, WHO
RC6: "Communicating Radiation Risks in Pediatric Imaging to Support Risk-Benefit Dialogue"

10.00 ~10.30 COFFEE BREAK & POSTER VIEWING (PP5-PP10)

10.30 ~12.30 ICRP Special Session: Kuala Lumpur Room, Level 5, PWTC
"Ethical Dimension of the Radiological Protection System"
10.30 ~12.30

**OP2-Radiation Measurement and Dosimetry: Redang Room, Level 3, PWTC**  
Chair: Prof. Xiaobin Xia, China

**OP2-6** Hiroshi Yoshii, National Institute of Radiological Science, Japan  
“Methodology for Rapid Evaluation of Heavy Atom Contamination in Wounds Using X-Ray Fluorescence Analysis”

**OP2-7** Thiansin Liamsuwan, Thailand Institute of Nuclear Technology (TINT)  
“Setting up a new calibration facility for neutron measuring devices”

**OP2-8** Noramaliza M.Noor, Universiti Putra Malaysia, Malaysia  
“Characterisation of Flat Fibre Thermoluminescence Dosimeters for Patient Dose Measurement in Radiotherapy Procedures”

**OP2-9** Sung-Woo Kwak, Korea Institute of Nuclear Non-Proliferation and Control, South Korea  
“Comparative Study of NaI(Tl), LaBr$_3$(Ce), CZT and HPGe on Determination of Uranium Enrichment”

**OP2-10** Jürgen Fellinger, Mirion Technologies Inc., Germany  
“Mirion Technologies Electronic Dosimeters DMC 3000 for X-Ray, Gamma Ray and Neutron Radiation”

10.30 ~12.30

**OP6-Radiation Protection in Medical Field: Perhentian Room, Level 3, PWTC**  
Chair: Dr Liu Liye, China

**OP6-1** Cameron Jeffries, St Vincent’s Hospital Sydney, Australia  
“Shielding Assessment and Radiation Exposure Adjacent to a Linear Accelerator Treatment Bunker with a Highlight Window”

**OP6-2** Keiichi AKAHANE, National Institute of Radiological Sciences, Japan  
“Developing the Database on Medical Exposure to CT in NIRS in Collaboration with WAZA-ARI”

**OP6-3** Kimiya Noto, Kanazawa University Hospital, Japan  
“Simple Estimation Method of Operator Eye Lens Doses using a Dose–Area Product Meter Due to Fluoroscopic X-ray Procedures”

**OP6-4** S.C. Perle, Mirion Technologies (GDS), USA  
“Health Physicist Monitors Own Medical Dose from Radioiodine Thyroid Ablation Procedure”
OP6-5 Kosuke Matsubara, Kanazawa University, Japan
“Dose and Dose Rate Analysis using Angular Tube Current Modulation in X-ray Computed Tomography”

12.30 ~ 14.00 LUNCH & POSTER VIEWING (PP5-PP10)

14:30 ~ 16:30 IRPA Special Session: Kuala Lumpur Room, Level 5, PWTC
“Promoting Excellence and Recognition of Radiation Protection in Asia”
Chair: Dr. Renate Czarwinski (IRPA President)

14:00 – 15:00 The Recent Evolution of the Conduct of IRPA, Dr. Bernard Le Guen (IRPA)

15:00 – 15:20 To be determined, Dr. Renate Czarwinski (IRPA)

15:20 – 16:00 Round Table on Promoting Excellence and Recognition of Radiation Protection in Asia:
Dr. Renate Czarwinski (IRPA)
Dr. Bernard Le Guen (IRPA)
Prof. Toshiko Kosako (AOARP)
Dr. Kyo-Youn Kim (KARP)
Dr. Sen-Lin Liu (CSRP)
Dr. Noriah B.Mod Ali (MARPA)

14:30 ~ 16:30 OP7-Environmental Radiation and Radioactivity (NORM/TENORM):
Redang Room, Level 3, PWTC
Chair: Dr Pramilla Sawant, India

OP7-1 Byung Uck Chang, Korea Institute of Nuclear Safety, South Korea
“Radon in Agricultural Workplaces: Assessment of the Annual Effective Dose due to Inhaled Radon in the Greenhouses”

OP7-2 Karunakara Naregundi, Mangalore University, India
“A Comparative Study on Grass to Milk Cesium Transfer Coefficients for Equilibrium and Emergency Situations”

OP7-3 Fei Tuo, National Institute for Radiological Protection, China
“Measurement of $^{238}$U, $^{232}$Th, $^{226}$Ra, $^{40}$K and $^{137}$Cs in Foodstuffs Samples Collected at Some Coast Area of China”

OP7-4 Saleh A. Alshrah, Qassim University, Saudi Arabia
“Assessment of Natural Radioactivity Levels and Radiation Hazards in Wadi Al-Rummah in Saudi Arabia”

OP7-5 Noriaki Kataoka, Niigata University, Japan
“Tritium Behavior in the Precipitation from 2010 to 2013 in Niigata City and the Investigation of T in Several Mountains in and around Fukushima”

14:30 ~ 16:30 OP10-Emergency Preparedness and Response:
Perhentian Room, Level 3, PWTC
Chair: Mr Cameron Jeffries, Australia
**OP10-1** Rajesh Sankhla, Bhabha Atomic Research Centre, India
“Development of Quick Scan Whole Body Monitoring System and Its Application during Radiological/ Nuclear Emergencies”

**OP10-2** Siti Hasliah Salleh, Universiti Teknologi Malaysia, Malaysia
“Development and Validation of RWA Scale for Assessing Preparedness Behaviour towards Possible Radiation Emergency in Malaysia”

**OP10-3** Pirunthavany Muthuvelu, Ministry of Health, Malaysia
“Principles On Medical Radiation Emergency/Preparedness For Medical Physicists”

16.00 ~ 16.30  COFFEE BREAK & POSTER VIEWING (PP5-PP10)

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**Thursday, May 15, 2014**

09:00 ~ 10.00  **Refresher Course 7: Kuala Lumpur Room, Level 5, PWTC**
Dr. Maria Del Rosario Perez, WHO
RC7: “Justification of Medical Imaging and Use of Referral Guideline”

**Refresher Course 8: Redang Room, Level 3, PWTC**
Dr. Takeshi limoto, The University of Tokyo, Japan
RC8: “Nuclear Education for Young Generation Focusing Especially on Radiation - Introduction of Experiences of Japan”

**Refresher Course 9: Perhentian Room, Level 3, PWTC**
Dr. Hiroko Yoshida-Ohuchi, Tohoku University, Japan
RC9: “Radiation Protection Culture in General Public - Attempts of Local Residents to Create Radiation Protection Culture after the Fukushima Accident”

10.00 ~10.30  COFFEE BREAK & POSTER VIEWING (PP5-PP10)

10.30 ~ 12:30  **UNSCAR-WHO-IRPA Special Session: Kuala Lumpur Room, Level 5, PWTC**
“UNSCAR’s Global Surveys on Medical Exposure Workshop on Data Collection”
Organized by:
Dr. Ferid Shannoun (UNSCAR), Dr. Maria Del Rosario Perez (WHO), Dr. Renate Czarwinski (IRPA)
Chair: Dr. Maria Del Rosario Perez, WHO
Co-Chair: Mrs Azleen Mohd Zain, Malaysia

10:30 ~ 10:35  Opening and welcoming (Dr. Renate Czarwinski, IRPA)
10:35 ~ 10:50  UNSCARE’s medical exposure surveys: findings and the way forward (Dr. Ferid Shannoun, UNSCARE)
10:50 ~ 11:05  WHO’s Global Initiative on Radiation Safety in Health Care Settings. A special role in medical exposure surveys? (Dr. Maria Del Rosario Perez, WHO)
11:05 ~ 11:35  Practical demonstration of the UNSCEAR online data collection platform
(Dr. Ferid Shannoun, UNSCEAR)

11:35 ~ 12:05  National experiences in collecting data on medical exposure
(Dr. P. Muthuvelu, MoH, Malaysia)

12:05 ~ 12:25  Discussion, Questions and Answers (All)

12:25 ~ 12:30  Closing remarks (Dr. Maria Del Rosario Perez, WHO)

10:30 ~ 12:30  **OP7-Environmental Radiation and Radioactivity**
(NORM/TENORM):Redang Room, Level 3, PWTC
Chair: Dr Teng Iyu Lin, Malaysia

**OP7-6** ZHU, Li, Department of Engineering Physics, Tsinghua University,
Beijing, China
“Evaluation of natural radiation IN THe environment from U, Th, and K in REgions China”

**OP7-7** Robert J. Bruce, Geosyntec Consultants Sdn. Bhd., Malaysia
“An Innovative, Effective and Successful Approach to Disposal of Rare Earths Processing Residues Contaminated With Low Levels of Naturally Occurring Radioactive Materials (NORM)”

**OP7-8** Wang Chuan Gao, China Institute of Atomic Energy, China
“$^{210}$Po Emissions from a Coal-Fired Power Plant”

**OP7-9** Eung-Ro Lee, University of Science and Technology, South Korea
“Radon Distribution in a Provisional Radon Prone Area in Korea”

**OP7-10** Onder Kabadayi, Ondokuz Mayıs Üniversitesi, Turkey
“Level of Cesium 137 Contamination in the Sediments of Dam Lakes”

10:30 ~ 12:30  **Young Scientist Special Session: Perhentian Room, Level 3, PWTC**
Chair: Ass Prof Brad Cassels, Australia

**YS-1** Drew M Watson, Queensland Department of Health, Australia
“Gamma Spectrometry and ICP-MS Assessment of NORM in Queensland Major Drainage Catchments”

**YS-2** Liye Liu, China Institute for Radiation Protection, China
“Recent Advances of Chinese Multi-scale Human Phantoms and Their Applications”

**YS-3** Hiroshi YOSHITOMI, Japan Atomic Energy Agency, Japan
“Characteristics of Beta Reference Radiation Fields at the Facility of Radiation Standards (FRS), JAEA for Their Practical Applications in Beta Dosimetry”

**YS-4** Norhayati Abdullah, Malaysian Nuclear Agency, Malaysia
“Dose Intercomparison Programme of Megavoltage X-Ray Teletherapy Units for Radiotherapy Centres in Malaysia”
YS-5 Hee Seo, Korea Atomic Energy Research Institute, South Korea
“Development of Compton Camera for Safeguards Applications in Pyroprocessing Facility”

12.30 ~ 14.00 LUNCH & POSTER VIEWING (PP5-PP10)

14:30 ~ 16:30 OP8-Standard Regulation and Education: Kuala Lumpur Room, Level 5, PWTC
Chair: Dr. Changbum Kim, South Korea

OP8-1 Haruyuki Ogino, Central Research Institute of Electric Power Industry (CRIEPI), Japan
“Calculation of Lifetime Risk of Cancer Incidence in Asian and Oceanic Populations for the Purpose of Evolution of Radiation Protection System”

OP8-2 Jamila Salem Alsuwaidi, Dubai Health Authority, UAE
“Radiation Protection Educational and Research Programs in Healthcare and Academic Organizations in the United Arab Emirates”

OP8-3 Razali Harun, Geosyntec Consultants Sdn. Bhd., Malaysia
“Integration of Occupational Safety and Radiation Protection during Decommissioning and Disposal (D&D) Works”

14:30 ~ 16:30 OP9-Non-Ionizing Radiation (NIR): Redang Room, Level 3, PWTC
Chair: Dr. Pirunthavany Muthuvelu, Malaysia

OP9-1 Hye Eun Yoon, Ewha Womans University, South Korea
“Increased γ-H2AX by Exposure to a 60-Hz Electromagnetic Field Combined with Ionizing Radiation, but not Hydrogen Peroxide, in Non-Tumorigenic Human Cell Lines”

OP9-2 Wan Saffiey Wan Abdullah, Malaysian Nuclear Agency, Malaysia
“The Study of Mice Behaviour at Low Level RF Exposure”

OP9-3 Rozaimah Abdul Rahim, Malaysian Nuclear Agency, Malaysia
“Radiofrequency (RF) Radiation Assessment for Offshore Oil and Gas Platforms in Malaysia”

14:30 ~ 16:30 OP11-Radioactive Waste Management: Perhentian Room, Level 3, PWTC
Chair: Prof. Qiuju Guo, China

OP11-1 Daisuke Sugiyama, Central Research Institute of Electric Power Industry (CRIEPI), Japan
“A Stepwise Approach of Radiological Protection for Management of Radioactive Substances Generated in Existing Exposure Situations”

OP11-3 Nurul Wahida Bt Ahmad Khairuddin, Malaysian Nuclear Agency, Malaysia
“Immobilization of Spent Ion Exchange Resins from PUSPATI TRIGA Reactor Using Fly Ash-Based Geopolymer”
**OP11-4** Gao Chao, China Institute of Atomic Energy, China
“Development of Mobile Hot Cell and Pilot Operations of Spent High Activity Radioactive Sources”

16.30 ~ 17.00  COFFEE BREAK
17:00 ~ 18:30  **Closing Session, Kuala Lumpur Room, Level 5, PWTC**

**Friday, May 16, 2014**

9.00 ~ 17.00  **Technical & Social Visit**