

**Celebrating the 40th Anniversary of the
Regional Co-operative Agreement for
Research, Development and Training
Related to Nuclear Science and
Technology for Asia and the Pacific
(RCA)**

Panellist Information

***RCA Panel Discussion
Tuesday 18 September, 10:30 – 13:00,
Meeting Room 7, M Building***



Dr. Anhar R. Antariksawan – Opening and Closing Remarks

Deputy Chairman of the National Nuclear Energy Agency of Indonesia (BATAN)

National RCA Representative for Indonesia

Dr Antariksawan has a background in nuclear engineering, and a Doctorate Degree in the field of thermalhydraulics from the Institute National Polytechnique de Grenoble (INPG). He joined BATAN in 1986 and has had several positions, including Head of Risk Analysis and Mitigation Division of BATAN (1999–2003), Director of Center for Nuclear Safety and Reactor Safety of BATAN (2006–2008) and Deputy Chairman of BATAN (2008–present).



Dr. Mahendra Prinath Dias – Keynote Speaker

Senior Lecturer Grade I, Department of Electrical Engineering, University of Moratuwa

Former RCA Focal Person/RCA Coordinator, IAEA (2003-2010)

Dr Dias has a PhD (1982) and MSc in Nuclear Engineering (1978) from Texas A&M University, USA, and a BSc Eng in Electrical Engineering from the University of Sri Lanka.

His past roles include Chairman of the Atomic Energy Authority of Sri Lanka (1992 – 2003), Associate Professor, Department of Electrical Engineering, University of Moratuwa (2001–2003); and national RCA representative of Sri Lanka (1993–1996).



Dr. Heather E Patterson – Panellist Human Health

National Imaging Facility, Australian Nuclear Science and Technology Organisation

Lead Country Coordinator for IAEA/RCA project on Building Capacity with Distance Assisted Training for Nuclear Medicine Professionals

Dr Patterson has been in the field of Nuclear Medicine for 40 years. She has developed and managed national and international education and training programmes, including Foundations of PET-CT' and 'CT with SPECT and PET' for licensing nuclear medicine scientists. She is the coordinator and website manager for the IAEA supported on-line Distance Assisted Training Programme (DAT) (www.datnmt.org).

Ms Patterson is a member of ANZSNM International Liaison Committee, Asian Board of Nuclear Medicine and World Federation of Nuclear Medicine and Biology education committee.



Prof. Luxiang Liu– Panellist Food and Agriculture

Professor, Director, National Center of Space Mutagenesis for Crop Improvement, Institute of Crop Science, Chinese Academy of Agricultural Sciences. Chief Scientist of China National Nuclear Irradiation Breeding and Space Mutagenesis Program.

Lead Country Coordinator of the RCA Project RAS5056 on Plant Mutation Breeding

Professor Liu has been working on new methodology of induced mutations and biotechnology for crop improvement for 24 years, including γ -rays irradiation, ion beams implantation, aerospace mutagenesis and in vitro mutagenesis. He has developed and released 10 more mutant varieties with high grain yield and good stress tolerance in wheat, rice, maize, sorghum, pepper and tomato. He is now the Director of National Center of Space Mutagenesis for Crop Improvement, the Chief Scientist of China National Nuclear Irradiation Breeding and Space Mutagenesis Program. Prof. Liu has been involved with the IAEA RCA Program since 2002 and served as an IAEA expert on numerous occasions, functions as the Lead Country Coordinator of the RCA Projects on Plant Mutation Breeding.



Dr. Alumunda M. Dela Rosa Ph.D. – Panellist Water and Environment

Director of the Philippine Nuclear Research Institute

National RCA Representative for the Philippines

Dr. Dela Rosa has a B. Sc. Chemistry (1968) from the College of the Holy Spirit, Manila; and a Ph.D. in Biochemistry (1977), from the University of Hawaii, Hawaii, USA. Her areas of specialization include radiation chemistry and environmental chemistry. She has published 45 scientific papers, and holds the rank of Career Scientist IV under the Scientific Career System of the Philippines. She leads the PNRI in charting new grounds to address nuclear terrorism, and formulating its strategies and programs for the security of radioactive and nuclear materials/facilities in the Philippines.

She is the National Focal Person with the IAEA and CTBTO, and FNCA (Forum for Nuclear Cooperation in Asia) Coordinator of the Philippines.



Dr. Gursharan Singh – Panellist Industrial Application

Associate Director, Radiochemistry and Isotope Group, Bhabha Atomic Research Centre, Mumbai

Thematic Sector/Lead Country Coordinator for the RCA Projects on Industry since 2001

Since joining BARC in 1973, Dr. Singh has been working on new techniques using isotopes and radiation technology for NDT applications, as well as industrial troubleshooting, process optimization, water resources management and environmental control. He has also conducted training courses for Human Resources Development and the fabrication of high activity Co-60 sources for use in various types of irradiators. A total of around 400 industrial scale investigations have been carried out under his guidance. More than 60 end-users and collaborative institutions including academic and professional organizations have been established as partner to propagate and use these technologies.



Dr. Ali Boussaha

Director - Division for Asia and the Pacific, Department of Technical Cooperation, IAEA

Dr. Ali Boussaha is a nuclear scientist. He holds a Doctorate degree from the Centre of Nuclear Research and Louis Pasteur University, Strasbourg, France, and a PhD degree from Virginia Polytechnic Institute & State University, USA. Before joining the IAEA's Department of Technical Cooperation in 1992, Dr. Boussaha held various senior positions in his country, including Director of the National Nuclear Centre. He launched and supervised several educational and training programmes in various areas of nuclear science and technology in his country, and participated in the planning and implementation of nuclear technology infrastructure development projects. From 1992 to 2011, Dr. Boussaha led the IAEA's TC programme for Africa. In February 2012, he was appointed as Director of the Division for Asia and the Pacific.