

1. Y.M Raja Dato' Abdul Aziz bin Raja Adnan

Raja Dato' Abdul Aziz bin RAJA ADNAN is currently the Director General of the Atomic Energy Licensing Board (AELB) of the Ministry of Science Technology & Innovation (MOSTI).

Until July 2006, he was the Head of the Policy & Strategic Planning Unit of the Division of Planning & External Affairs at the Nuclear Agency of Malaysia (Nuclear Malaysia). He had served Nuclear Malaysia since 1979 after obtaining his Degree of Bachelor of Technology in Medical Sciences from the University of Bradford, England. He later obtained his Degree of Master of Science in Radiation Biophysics from the University of St. Andrews, Scotland.

In brief, his scientific and technical experience includes training, research, production & quality control of radioisotopes & radiopharmaceuticals, management, planning, public acceptance and awareness, technical cooperation, regulatory control & licensing and also nuclear international relations & diplomacy.

He had held the diplomatic rank of Minister Counsellor (Science) at the Embassy of Malaysia in Austria and the Permanent Mission of Malaysia to the United Nations Organisations in Vienna. He served for just over 10 years, from 1995 until 2005. The UN scientific organisations in Vienna include notably the International Atomic Energy Agency (IAEA), the Comprehensive Nuclear-Test-Ban Treaty Organisation (CTBTO) and the Office of Outer Space Affairs (OOSA). Key appointments held during his diplomatic tenure include, *inter alia*, Alternate to Resident Representative of Malaysia to the IAEA and the CTBTO and where applicable, Alternate to the Governor of Malaysia at IAEA the Board of Governors for two cycles (1996 - 1998 & 2002 - 2004).

International recognition include being a Core Member (1998 –2002) in the “Programme for the Promoting Nuclear Non-Proliferation” based in New York, USA and the Mountbatten Centre for International Studies, Department of Politics, University of Southampton, United Kingdom. He is currently a member of the IAEA Director General’s Advisory Group on Nuclear Security (AdSec) from 2006 until present.

2. Dr. Phillip Edward Metcalf

Presently Unit Head “Radioactive Waste and Spent Fuel Management” Department of Nuclear Safety and Security of the IAEA – 6 years.

Previously Deputy General Manager; South African National Nuclear Regulator. Was with the authority for 27 years.

Honours degree physics and masters degree radiation safety.

Chairman of the IAEA Radioactive Waste Safety Standards Committee 1995 – 2001.

14 years as a member of the Executive Council of the International Radiation Protection Association (IRPA) - presently President of IRPA.

3. Jamal Khaer bin Ibrahim

Certificate/ Diploma/ Degree	Field	Year	Institute
Degree	Science (Engineering) in Mechanical Engineering	1976 - 1979	University of London King's College, United Kingdom
Master Degree	Science in Nuclear Reactor Engineering	1979 - 1981	University of London Queen Mary College, United Kingdom

Position : Director
Planning & International Affairs Division,

Department : Malaysian Nuclear Agency,
Ministry of Science, Technology & Innovation

Working experience :

Company/ Department	Field	Year	Position
Nuclear Malaysia Agency	Reactor	1981 – 1986	Research Officer
Nuclear Malaysia Agency	Reactor	1987 – 1995	Head Reaktor Department
Nuclear Malaysia Agency	Policy & Strategic Planning	1995 – 2001	Senior Research Officer
Nuclear Malaysia Agency	International Nuclear Policy	2002 – 2005	Special Officer, Office of the Director General
Nuclear Malaysia Agency	Planning & International Affairs	2005 – current	Director

4. Dr Loretta Weiss

Academic qualification:

Certificate/ Diploma/ Degree	Field	Year	Institute
Ph.D	Space Physics	1992	Rice University

Position : Project Leader on the International Non- Proliferation Export Control (INECP) at Los Alamos National Laboratory.

Department : Department of Energy's Office of Global Security
Engagement and Cooperation.

Working experience :

In 1992, came to Los Alamos shortly to work on problems involving terrestrial and solar magnetic fields, and became a NASA principal investigator in 1995. Pursuing an interest in global security and nonproliferation, Dr. Weiss began working in the area of strategic trade controls in 1998. Her responsibilities have included technical review of US nuclear-related export license applications and analysis of the proliferation implications of emerging dual-use technologies. Since 2002 Dr. Weiss has worked internationally with the INECP to strengthen strategic trade control systems worldwide. She has worked closely with export control officials from over a dozen countries and greatly enjoys the opportunity to collaborate with technical colleagues in addressing trade control issues through development of outreach activities and training programs. Dr. Weiss has INECP lead technical responsibilities for Malaysia, Thailand, Indonesia, and Turkey.

5. Ms Marina Mishar

Academic qualification:

Certificate/ Diploma/ Degree	Field	Year	Institute
Degree	Nuclear Science (Radiochemistry)	1993	National University of Malaysia

Position : Principal Assistant Director
Policy, Code and Standard Division

Department : Atomic Energy Licensing Board (AELB),
Ministry of Science, Technology & Innovation

Working experience :

She has been heading the Section of External Relations since 2003. Her section worked on reviewing international treaties, convention and agreements related to nuclear activities, developing scientific and technical cooperation within various agencies in Malaysia and with international agencies and developing safety culture among the radiation users and public. Prior to that she was in the Enforcement Division, developing inspection plans on AELB licensees, strengthening the control and supervision of nuclear and radiation activities in Malaysia and carry out prosecutions on violations of the Atomic Energy Licensing Act 1984 (Act 304).

Has achieved and drive several nation-wide initiatives:

- Program with Radiation Protection Officers of various radiation technologies to improve the compliance to Act 304 towards a higher standard of radiation protection in Malaysia
- Safety Culture Program with the public and high school students towards preparing the future manpower of radiation technologies with higher level of safety culture
- Development of Asian Nuclear Safety Network – to pool and share existing and new technical knowledge and practical experience to further improve the safety of nuclear installations in Asia
- Development of Border Control Officers capability to monitor, detect and identify the illicit trafficking of nuclear and radioactive materials at international borders

6. Y. Bhg Dato' Hussin Nayan

Personal Information:

D.O.B : 15 June 1952 (Penang, Malaysia)

Qualification: B.A (Hons) UM

Career Appointment:

- Appointed to the Administrative and Diplomatic Services of Malaysia at the Ministry of Foreign Affairs as Assistant Secretary (Cambodia Desk) in 1976
- As Second secretary (Political) Embassy of Malaysia in Washington, Dc,

USA in 1980

- First secretary/ Head of Chancery, High Commission of Malaysia in Dhaka, Bangladesh in 1984
- Director of ASEAN II (Dialogue Partners) Ministry of Foreign Affairs, Malaysia in 1986
- Counsellor, Embassy of Malaysia in Vienna/ Alternate Permanent Representative to United Nations Office in Vienna, Austria in 1989
- Under secretary of Ministry of Foreign Affairs, Malaysia in 1993
- High Commissioner of Malaysia to Australia, Canberra in 2003
- Director General of South East Asia Regional Centre for Counter Terrorism (SEARCCT), Wisma Putra since July 2005

Experience:

Ambassador Hussin has extensive diplomatic experience and has represented Malaysia as a member of the Malaysian delegations to United Nations Conferences, as well as regional forum on issues such as:

- Political and regional security issues relating to South China Sea
- Bilateral negotiations relating to territorial and maritime claims and adjudications processes
- International laws relating to boundary delimitation and demarcation
- Conflict resolution and dispute settlement mechanism and United Nations Peacekeeping operations
- Non-proliferation, Nuclear Disarmament and Nuclear Safeguards issues
- ASEAN cooperation with its dialogue partners, focusing on Australia, New Zealand, Canada and the European Union.
- Crime prevention and international justice system relating to drug trafficking, people smuggling, money laundering etc.

7. Mr Gregory Herdes

- Mr. Herdes is a security management professional with a successful 24-year track record. He has a strong background in Department of Energy nuclear and information security policy and the management of integrated security systems, security planning, policy development, and performance assurance programs.
- Since 2002, Mr. Gregory Herdes has served as Project Team Lead and physical protection specialist supporting the National Nuclear Security Administration's Global Threat Reduction Initiative with

host nations in Asia. In this position, he develops and implements protection strategies for facilities possessing radioactive material that could be used in a Radiological Dispersal Device

- Mr. Herdes has a Bachelor of Arts degree from Eastern Illinois University and a Master of Science degree from the University of Tennessee. He is also a Certified Protection Professional (CPP), Board Certified in Security Management by ASIS International.

8. Mr. Halim Abdul Rahman

- Science Officer, Technical Support Division, Atomic Energy Licensing Board (AELB)
- Working with AELB since 2004
- Degree holder in the field of Nuclear Science from UKM
- Had attended national and international trainings in the field of safety, security and safeguards

9. Mr Mohd Irwan Effendi Mohd Nordin (AELB)

- Science Officer, Licensing Division, Atomic Energy Licensing Board (AELB)
- Working with AELB since 2004
- Degree holder in the field of Nuclear Science from UKM
- Had attended national and international trainings regarding safety, security and safeguards

10. Mr Mohd Yasin Hj Sudin (AELB)

- Director of Licensing Division, Atomic Energy Licensing Board (AELB) since July 2007
- Former Director of Enforcement, AELB (2003 – Jun 2007)
- Working with AELB since 1991, as a prosecutor.
- Had attended national and international trainings in the field of safety, security and safeguards
- Chairman of Emergency Response Team of AELB
- Nuclear Science degree holder from National University (UKM)

11. Mr Nik Mohd Faiz Khairuddin (AELB) - On behalf of IAEA

- Science Officer, Policy, Code and Standards Division, Atomic Energy Licensing Board (AELB)
- Working with AELB since 2004
- Degree holder in the field of Nuclear Science from UKM
- Had attended national and international trainings regarding safety, security and safeguards

12. Ms Sarah Dickerson (US, DoE)

- Sarah Dickerson has been the Program Manager for Southeast Asian cooperation under the U.S. Department of Energy/National Nuclear Security Administration's Global Threat Reduction Initiative since 2005
- She is responsible for coordinating programs in Southeast Asia to convert research reactors from highly enriched uranium to low enriched uranium, to return nuclear materials to their countries of origin, and to protect nuclear and radiological materials currently in use.
- Between 1993 and 2005, Ms. Dickerson was employed by Sandia National Laboratories as a physical protection expert.
- Ms. Dickerson has a Bachelor of Arts degree in political science and a Masters of Business Administration degree with a concentration in operations research from The University of New Mexico.

13. Ms Teng Iyu Lin (AELB) - On behalf of IAEA

- Science Officer, Enforcement Division, Atomic Energy Licensing Board (AELB)
- Working with AELB since 1998. Experienced as prosecutor.
- Nuclear Science Master degree holder from National University (UKM)
- Had attended national and international trainings in the field of safety, security and safeguards

14.Noor Fitriah Bakri

Academic qualification:

Certificate/ Diploma/ Degree	Field	Year	Institute
PGEC	Radiation Protection	2004	IAEA/UKM
B. SC	Nuclear	2003	UKM

Position : Assistant Director

Department : Policy, Code & Standard Division

Working experience :

Company/ Department	Field	Year	Position
AELB	Security & External Relation	2004	Assistant Director
Abex Medical Systems Sdn. Bhd.	CT/MRI Product Consultation	2004	Product Engineer

15. Dr. NORIAH MOD ALI

Graduated with B.Sc (Physics) from National University of Malaysia, M.Sc (Radiation and Environmental Protection) from University of Surrey, UK and Ph.D (Dosimetry) from University of London, UK

She plays a leading role in radiation dosimetry in Malaysia, and currently is the Quality Assurance Manager for the SSDL and responsible for a quality dosimetry service in the country.

She also appointed as radiation safety auditor/consultant and is the secretary to the Malaysian Radiation Protection Association (MARPA).

16. Prof. Dr. ISMAIL BIN BAHARI

FIELD OF INTEREST: Radiological Safety and Environment

Professor, School of Applied Physics, National University of Malaysia (UKM)

Coordinator, Graduate Program In Industrial Safety Management Program, (UKM)

Director, National Institute of Occupational Safety and Health, Malaysia

Professional Appointments:

Chairman, National Committee for the Certification of Radiation Protection Office. Atomic Energy Licensing Board (AELB). Jan. 1995 – current

Chairman, Safety and Health Officer Examination Committee, NIOSH, 2003 - current

Board Member, Board of Examiners for the Certification of Safety and Health Officer. National Institute of Occupational Safety and Health (NIOSH), Malaysia. July 2001 – 2002

Radiation Protection Officer (Competency Class H) 2001 - current

1974 - 1978 BSc, National University of Malaysia, Malaysia

1979 - 1980 MSc, University of London, UK.

1984 - 1989 Ph.D., Colorado State University, U.S.A.

• **Specialisation :**

1. Radiology safety and environment
2. Occupational Safety Management

• **Areas of Research :**

1. Radiological safety and environment

2.Occupational Safety and Health Management

3.Integrated occupational accident notification system

- **Contact Information :**

- Address

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17.Prof Madya Dr. MUHAMAD SAMUDI BIN YASIR

- **Qualifications :**

BSc (Hons) Universiti Kebangsaan Malaysia (1980)

MSc Osaka Prefecture University (1985)

PhD Salford University, England (1992)

- **Specialisation :**

Radiation Biology

- **Areas of Research :**

1. Environmental Radiological Impact Assessment.

2. NORM-Contaminated Industrial Waste Analysis and Treatment/Disposal.

3. Food Irradiation

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18. PROFESSOR AHMAD TERMIZI B. RAMLI

P.C.M., Ph.D.

NUCLEAR PHYSICIST/RADIOLOGICAL HEALTH AND SAFETY.

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1988: Ph.D. (*Medical Physics*) University of Swansea Wales, U.K.

1985: Diploma (*Ionization Physics*) University of Swansea, Wales, U.K.

1982: M.Sc (*Radiological Health and Safety*) Salford University,
Manchester,U.K.

1979: B.Sc. (Hons) (*Physics*) Leeds University, United Kingdom.

Member, Malaysian Society for Nuclear Science.

Member, Health Physics Society, U.S.A.

Member, Malaysian Institute of Physics.

Committee Member, Malaysian Association of Medical Physics.

Associate Editor, Jurnal Sains Nuklear Malaysia. Malaysian Nuclear Society. Oct. 1999.

Professor, Physics Department, Universiti Teknologi Malaysia, from 14 August 1997.

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