

Subcommittee AC3

ADEL A. MUSTAFA, Ph.D., DABR, DABMP, FAAPM

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Certification/ licenses/ General Credentials

- Board certified by the American Board of Radiology in Diagnostic Radiological Physics.
- Board certified by the American Board of Medical Physics in Diagnostic Imaging Physics.
- Fellow of the American Association of Physicists in Medicine
- Oral Examiner for the American Board of Radiology, radiological physics
- Chief Editor and contributor to Diagnostic RAPHEX
- Reviewer for Radiographics since 2005
- More than 20 years of clinical diagnostic radiology and nuclear medicine physics
- Conducting the radiologic physics part of the Radiology Residency program
- Teaching Faculty at several Radiology Residency programs in New York/ NJ/CT in the USA
- Invited speaker in radiology/medical physics conferences. Gave more than 70 presentations in 10 countries from 2004-2013



Education:

Ph.D. in Medical Physics, Department of Medical Physics University of Surrey, England. 1982

M.Sc. in Medical Physics, Department of Medical Physics, University of Surrey, England, 1978

B.Sc. In Health Physics, Al-Mustansiriya University, Baghdad, Iraq , 1975

EMPLOYMENT in the last 20 years (1991-2013)

- Chief Hospital Physicist and Hospital Radiation Safety Officer, St. Vincent's Hospital and Medical Center of New York, Manhattan, New York , 1991-2009.
- Faculty member, Department of Radiology, New York Medical College., Valhalla, New York, 1993 – July 2012
- Consulting Diagnostic Radiology Physicist and hospital radiation safety officer, St. Vincent's Medical Center, Bridgeport, CT, 2010-Now
- Consultant medical physicist to several private radiology facilities in the New York and NJ
- Prior to 1991: Associate Professor of Radiology at Kuwait University School of Medicine (1983-1990).

International Medical Physics Certification Board

Very much interested in the IMPCB and would like to volunteer to serve as active member of the accreditation committee and the future exam committee. I am fully aware of the education needs and interests of several countries affiliated with the IOMP. I visited and lectured in several of those countries and continue to do so. Establishing standards of medical physics education and practice is a major step in reaching the practice objectives of contributing to achieving optimal patient care, and advancing the professional standing of medical physicists nationally and internationally.

William Rae, PhD

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Will Rae was educated during the late 1970s, when he obtained a BSc degree from Rhodes University, Grahamstown, and in the early 1980s when he completed his Medical qualification (MBChB), at the University of the Witwatersrand, and his MSc in Medical Physics at the University of Cape Town. He started work doing general clinical Medical Physics in 1988. He completed his PhD in 1996 in the field of 3D gel dosimetry. He has been employed for about 25 years in a clinical service environment in four State Hospitals around South Africa (SA), working in Radiotherapy, Radiology, Nuclear Medicine and Radiation Protection Physics. He has presented more than 100 papers at several congresses Worldwide and has co-authored 22 reviewed articles in accredited journals. He has co-authored 3 books and holds one patent for a Radiology test object. He has been active in his professional society for some years and has represented the SAAPMB and SAMPS at the IOMP since 2003. He is the Medical Physics representative on the Health Professions Council of South Africa where he serves on the Medical Sciences Committee which accredits training institutions and assesses and registers Medical Scientists in various disciplines to practice in SA. He has been employed since 2010 as the Head of Medical Physics at Universitas Hospital and the University of the Free State and works in the field of Diagnostic Radiology. He is responsible for the education and training courses for Medical Physicists at this the largest academic Department in SA. He has served as an external examiner at several institutions around SA and examines most years for the Colleges of Medicine of SA. He has successfully supervised 6 PhD students and currently has three PhD students in progress. His research interests include quantitative image analysis and test object development.



Kanchan P. Adhikari, M.Sc

Email: kanchanadhikari@gmail.com,

I, Kanchan P. Adhikari, M.Sc in Physics working as a Sr. Medical Physicist/Radiation Safety Officer at National Academy of Medical Science, Bir Hospital since 1998. As a medical physicist, I have to do regular treatment planning of the patient and different treatment techniques in radiotherapy. I do regular quality assurance of X-rays, fluoroscopy, CT, Cobalt-60 and HDR Brachytherapy. I'm trying my best to do regular quality assurance to maintain machines in good working condition. I am also involved in teaching and research in Radiology & Radiotherapy. Due to lack of medical physicists in the country, I do also have to involve myself in supervision and guidance activities of M.Sc. (Physics) students of Central Department of Physics, Tribhuvan University in preparing their thesis and project works in the field radiation. I have completed different project works in the field of radiation protection, inventory of radioactive materials for Ministry of Science, Technology & Environment in Nepal. I have presented various papers on



radiation protection, Quality Assurance at various forums. My research papers are published in various journals.

Currently I am a Regular Associate in Medical Physics at International Center for Theoretical Physics (ICTP), Italy. I am also working as a reviewer of International Cancer Technology Transfer Fellowships (ICRETT), International Union against Cancer (UICC) and Editorial Board member of Radiation Regulator, International Journal Supporting Continuous Professional Development, RPD Publication Ltd. Lancaster, UK. Beside this, I am also working as a national project counterpart of the IAEA TC project that entails establishing and developing Radiation Protection Infrastructure in Nepal. I am presently also working as Founder Secretary in the Nuclear Society of Nepal (NUSON) and Founder General Secretary in the Nepalese Association of Medical Physicist (NAMP) to promote medical physics and to develop nuclear related activities in Nepal. I am involved in international medical physics certification community from the beginning to establish a formal certification system to benefit all medical physicists, and to improve the quality of medical physics in Nepal.

Siyong Kim, Ph.D.

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Professor and Clinical Director of Physics
Department of Radiation Oncology
Virginia Commonwealth University, USA



Career Background: I have been in the field of Medical Physics for 20 years including 4 years of Ph.D. study and 2 years of Radiation Oncology Clinical Physics Residency training both at the University of Florida (UF), USA. After graduating residency in 1999, I started working as faculty in the Department of Radiation Oncology at UF where my major clinical specialties were stereotactic radiation therapy, patient immobilization, and image guidance. I also served as the associate director of Clinical Physics Residency Program and the coordinator of clinical rotation of Medical Physics Graduate Program. From 2006 to 2013, I worked in the Department of Radiation Oncology at Mayo Clinic Florida as faculty. In Mayo Clinic, my major specialties were high dose rate brachytherapy, respiratory motion management, and image guided stereotactic body radiation therapy. Currently, I am a professor and serve the Clinical Director of Physics in the Department of Radiation Oncology, Virginia Commonwealth University, USA. I am also in charge of the Director of Radiation Oncology Medical Physics Residency Program.

Service History: My service for society has been active for many years, which includes AAPM Task Group 104 (member, 2003 - 2009), AAPM Asian Oceanic Affairs Subcommittee (liaison to Korea, 2009 - present), AAPM Online Learning Services Subcommittee (member, 2010 – 2012), AAPM Treatment Delivery Subcommittee (member, 2012 – present), AAPM Work Group on IMRT (member, 2012 and Chair, 2013 – present), and AAPM Therapy Physics Committee (member at large, 2013 – present). I also served IMPCB by-laws committee as voting member to establish the first version of the by-laws of our organization, IMPCB. Personally, I have been engaged in a couple of international education programs through which I closely work with foreign graduate students to help them being successful both in their study and professional career.

View on Board Member: Obviously, the ultimate goal of the early leadership is to establish a concrete structure of the organization. IMPCB is in its infancy as we all know and requires officers in strong leadership. However, IMPCB is for many countries and run by individuals from diverse backgrounds thus, there is always risk that too strong leadership may lose balance. In addition to appropriate professional experience, in my opinion, Board at Large members (not officers but as members of Board of Directors) should be able to take the role of moderation and make things move on in harmony to achieve the ultimate goal, and I believe I will fit well on such role.

Belal Moftah, PhD, FCCPM

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Head, Radiation Physics Section, Chairman, Biomedical Physics Department, King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia, Adjunct Professor, McGill University, Montreal, Canada.

Belal Moftah graduated in 1988 from the University of Winnipeg with double major in Physics and Math. He was the winner of several prizes and awards, including the University Golden Medal. He received his Master of Science degree in Nuclear Physics from the University of British Columbia (UBC) in 1991 and his PhD degree in Particle/High Energy Physics in 1996.



Dr Moftah worked at UBC and TRIUMF as a Post-Doctoral fellow and then as a Lecturer. In November 1997, he won an AAPM scholarship to join the McGill University Radiation Oncology Physics Residency Program under the supervision of Prof. Ervin Podgorsak. In 1999, he became the first resident to graduate from the first Canadian CAMPEP accredited residency training program. During the period of November 1998-July 2001, he was employed as a Clinical Physicist at the Department of Medical Physics, McGill University Health Centre.

Dr Moftah is board certified in radiotherapy by the Canadian College of Physicists in Medicine and is a fellow of the same College. In July 2001, Dr. Moftah took on a senior medical physicist position at KFSH&RC in Jeddah where he established a Medical Physics Department and became its 1st Chairman in February 2004. In September 2005, Dr. Moftah moved to the main KFSH&RC campus in Riyadh and became the Chairman of the Department of Biomedical Physics.

Dr. Moftah focus has been on the development of state-of-the-art radiotherapy techniques for the treatment of cancer patients. He has more than 15 years of teaching, administrative, research and clinical medical physics experience and served as a consultant to several public and private hospitals and institutions.

Dr. Moftah is a member of several international and national professional societies. He has published 29 peer-reviewed articles, 31 conference proceedings and 43 abstracts. He presented 73 invited presentations and 64 conference presentations.

Dr. Moftah was selected as one of five eminent experts to serve on the IAEA Independent Panel of Experts on Human Health for the Comparative Assessment of Nuclear Technology. He is a member of the IAEA AGaRT Expert Panel and Counterpart for several IAEA TC projects as well as the Chairman of the IAEA ARASIA Clinical Residency Training Working Group.

Dr. Moftah served as Chairman of conferences and workshops, one of which is the biennial International

Conference on Radiation Medicine, www.radmed.org. Dr. Moftah has an Adjunct Professor appointment at McGill University.

Xiaodong He, M.Sc.

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Study experience:

1983-1987 Department of Nuclear Physics, Fudan University, B.Sc. China.

1994-1995 Department of Medical Physics, Leuven University, Visiting Scholar, Belgium.

2006-2010 Department of Biomedical Engineering, Shanghai Jiaotong University, M.Sc. China.

2012-now Institute of Modern Physics, Fudan University, Ph.d Candidate, China.



Working experience:

From 1987 to 1998, I worked as a physicist and senior physicist in the Department of Radiation Oncology, Xinhua Hospital affiliated to Shanghai Second Medical University. I have been working as the chief physicist in the Department of Radiation Oncology, Shanghai Pulmonary Hospital affiliated to Medical school of Tongji University, since 1998 till now. So I have 26 years working and studying experience in Radiation Physics.

I am specialized in Radiophysics, Radiobiology and Hyperthermia. I have published more than 40 papers in the above mentioned fields. I am the Vice Chair of Chinese society of Radiation Physics, and the board member of Chinese Journal of Radiation Oncology. I am also the member of Quality Control Board of Radiotherapy in Shanghai, and the member of Chinese Medical Equipment Committee.

Simone Kodlulovich, PhD

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Simone Kodlulovich Renha, graduated in Physics with master degree and PhD in Nuclear Technology with specialization in medical physics at Instituto de Pesquisas Energéticas e Nucleares in Brazil. The education includes participation in IAEA fellowship program in medical physics at King's College Hospital, UK, at Hospital Central de Asturias, Ramón y Cajal, La Princesa y Clinico Universitario, Spain, at St. Vincent Hospital Medical Center, NY and at McGill University; Canada. Since 1999, is a researcher of the National



Commission of Nuclear Energy (CNEN). For more than 10 years was head of Diagnostic Radiology Division of the "Instituto de Radioproteção e Dosimetria" (IRD/CNEN). Currently at the Section of Standards of the Radiation Protection and Safety Division, is in charge of the development of national regulatory standards. Also participate at the National Committee for the Certification of Radiation Protection Officer of CNEN. The experience in didactic and research field includes participation as a lecturer of the medical physics master program of the IRD/CNEN (since 2001), supervision of students in

master and PhD research and proofreader of scientific journals. The investigation is mainly in diagnostic radiology, instrumentation and radiation protection and safety in medical applications of ionizing radiation. Also act as an IAEA expert (since 2001) and Pan American Health Organization (PAHO), especially in diagnostic radiology activities in Latin America. Currently is member of the Radiological Protection Committee and Quality in Computed Tomography of the Brazilian College of Radiology. Member of Brazilian Association of Medical Physics (ABFM) and American Association of Physicists in Medicine (AAPM). Since 2013 is a member of the Committee of Education and Training of IOMP and consultant of Latin-American Affairs Subcommittee of AAPM. Elected president of “Asociación Latinoamericana de Física Médica (ALFIM)” in 2010 for the period of 2010-2013 and re-elected for the period of 2013-2016.