



Accreditation Committee

Subcommittee AC3

AC2 Chairman Biography

Siyong Kim, Ph.D., FAAPM,

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



I have been in the field of Medical Physics for more than 25 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 Director of Clinical Physics in the Department of Radiation Oncology, Virginia Commonwealth University, USA. I also served the Director of Radiation Oncology Medical Physics Residency Program at VCU from 2013 to 2019.

My society activities include AAPM Task Group 104, AAPM Asian Oceanic Affairs Subcommittee, AAPM Online Learning Services Subcommittee, AAPM Treatment Delivery Subcommittee, AAPM Work Group on IMRT, AAPM Therapy Physics Committee, AAPM Exchange Scientist Program Subcommittee, AAPM Subcommittee on Practice Guidelines, KAMPiNA president, IMPCB By-Laws Committee, IMPCB board at large, IMPCB Accreditation Subcommittee III, IMPCB Examination Setting Subcommittee, and IOMP Publication Committee.

I also have served as editorial board for 4 different journals and reviewer for about 20 different scientific journals. My publication includes over 75 peer reviewed articles, over 160 peer reviewed abstracts, 13 book chapters, 1 report and 1 edited book.

Committee Member Biography

Salahuddin Ahmad, Ph.D., DABR, FACMP, FAAPM, FACR

Professor of Radiation Oncology

Director of Medical Physics, Dosimetry and Medical Physics Residency

University of Oklahoma Health Sciences Center, Oklahoma City, USA



Career: Dr. Salahuddin Ahmad received his Ph.D. degree in Nuclear Physics from the University of Victoria/TRI University Meson Physics Facility in Canada in 1981. He got his postdoctoral training in Radiation Oncology Physics from University of Texas MD Anderson Cancer Center in 1998. Prior to joining MD Anderson, he was a Lecturer of Physics at Dhaka University in Bangladesh; a Commonwealth Fellow at the University of Victoria, B.C., Canada; a Research Scientist at the University of Paris, Sud, Orsay, France; a Research Associate at the University of Saskatchewan, Saskatoon, Canada and at the TRIUMF National Laboratory of the University of British Columbia, Vancouver, Canada; and a Research Assistant Professor at the Rice University in Houston, Texas.

Soon after his training in MD Anderson, he was an Assistant Professor of Radiology and Chief Physicist at the Houston's Michael E. DeBakey Veterans Affairs Medical Center. He then moved to Oklahoma and has been a Tenured Full Professor of Radiation Oncology since 2008. Dr. Ahmad has co-authored **182** peer reviewed journal papers, **65** peer reviewed papers/book chapters and **428** conference abstracts. He supervised directly **10** M.S. and **5** Ph.D. students and was in addition a supervisory committee member for **5** Ph.D. and **30** M.S. students. He has been a member of the editorial board for several journals and a journal reviewer for more than a dozen journals and an ABR examiner. Dr. Ahmad became a Fellow of ACMP (**FACMP**), a Fellow of AAPM (**FAAPM**) and also a Fellow of ACR (**FACR**). He was a Raja Kali Narayan Scholar (**KNS**) of Dhaka University which was the highest academic honor of the university awarded to the top graduating student. The Varian-Editor in Chief award of excellence for an outstanding general medical physics article in 2010 went to him and his group (S. Ahmad et al.) for the article entitled "Comparison of Tumor and Normal Tissue Dose for Accelerated Partial Breast Irradiation Using an Electronic Brachytherapy eBx Source and an Iridium-192 Source" published in Journal of Applied Clinical Medical Physics 11, Number 4 (2010) 155-161. He served AAPM, ACMP, ACR and ABR in various capacities throughout his career. He was also recognized as an **IAEA** (International Atomic Energy Agency) **Expert** in Radiotherapy Medical Physics.

Committee Member Biography

Carlos E. de Almeida PhD, FAAPM, FIOMP

Full Professor in Medical Physics
Department of Radiological Sciences
University of Rio de Janeiro



Academic Qualifications:

BS, Physics 1967, Federal University of Bahia, Brazil, Master in Medical Physics 1972, and Ph.D. in Radiation Biophysics 1979. Both at M.D. Anderson Hospital-University of Texas-Houston-USA. Post-Doc Bureau International des Poids et Mesures 1986, Visiting Scientist at the Institute Gustave Roussy- Paris 2007 and Visiting Scientist at the Institute Marie Curie – Paris, 2010.

Board Certified by the Brazilian Association of Medical Physics and by the American Board of Medical Physics.

Professional Activities:

Senior Scientist of the Brazilian Nuclear Energy Commission 1979 – 1992. Senior Researcher National Cancer Institute. 1992-2012. Full Professor in Medical Physics- Department of Radiological Sciences- University of Rio de Janeiro- 1992 till now.

Former Director of the Institute of Radiation Protection and Dosimetry-1980-1985. Member of the IAEA SSDL Scientific Committee – 1984-1989 President of the Brazilian Association of Medical Physics- 1983-1985.

Head of the Primary Standard for the air-kerma project implemented at the SSDL - Institute of Radiation Protection and Dosimetry. 1987-1992.

Chairman National QA Program in Brazil- 1998-2000. Chairman of the National Training Program in Radiation Oncology involving Radiation Oncologists, Medical Physicists, Radiation Technologists and Radiation Oncology Nurses- 2016-2019

Helped setting up several Association of Medical Physics and the Regional Association of Medical Physics (ALFIM) I Latin America. President of the IOMP Meeting in Rio de Janeiro- 1994

Served in many Committees of the International Organization of Medical Physics (IOMP) namely: Chairman of the Education and Training, Member of the Awards & Honors. Member of several Scientific Advisory Committees of IOMP Meetings.

He is presently an Associated Editor of Medical Physics Journal 2006-2020.

Chairman of the Board Certification Committee in Medical Physics for the Brazilian Association in Medical Physics – 1982. Served as an Expert for the IAEA and PAHO in several missions in Latin America

Chairman of the first Professional M.Sc. Program in Medical Physics at the Rio de Janeiro University. 2016- now

Awards:

Fellow AAPM 2001, Gold Medal Awarded by the Brazilian Society of Radiation Oncology- 2008, Fellow IOMP 2013, Prix. Becquerel Awarded by the Academie des Arts, Lettres and Sciences de Languedoc-France 2010, Honored with the Highest Medal Carneiro Felipe Awarded by the Brazilian Nuclear Energy Commission and the IOMP International Day of Medical Physics Award IDMP in 2020

Academic Supervisor:

Supervisor of 68 MSc Thesis including 18 from Latin America and 28 Ph.D. all in Medical Physics, being 5 from Latin America and several Residents projects

Publications:

Published over 200 papers in refereed Journals, several Book chapters and several IAEA TEC-DOC.

Presently, is writing a book in Radiation Dosimetry, Supervising 2 MSc and 2 Ph.D. students.



Kostas Chantziantoniou, MSc DABR CIIP

Team Lead - Imaging Support Team
Consultant Medical Physicist &
Radiology PACS and IT Consultant

Johns Hopkins Aramco Healthcare (JHAH)
Radiology Imaging Department
Dammam, Saudi Arabia, 31311

Office No.: +966 (13) 870-3113

Mobile No.: +966 (50) 916-1489

e-mails: chantzcx@jhah.com

kchantz@yahoo.com

I am a practicing clinical medical physicist with 30 years' experience in the field of Diagnostic Radiological (Medical) Physics and I obtained all of my academic degrees at the University of Manitoba (Winnipeg, Canada) and currently hold a BSc (Honors) degree in Physics, a MSc degree in Physics (Nuclear Physics) and a MSc degree in Physics (Medical Physics). I am a full member of the Canadian Organization of Medical Physics (COMP), the American Association of Physicists in Medicine (AAPM), received in 2004 board certification in the American Board of Radiology (ABR) in Diagnostic Medical Physics and in 2016, went through and completed the written re-examination process to be recertified once again until 2026. In 2019, I was successful in attaining board certification in the American Board of Imaging Informatics (ABII) as a Certified Imaging Informatics Professional (CIIP) and in 2020, I became member of the International Medical Physics Certification Board (IMPCB) Diagnostic Imaging Physics evaluation sub-committee. In 2019 I was ask by the Saudi Food and Drug Authority (SFDA) to act as a consultant diagnostic medical physicist who would represent the eastern province, in a national sub-committee to establish national Diagnostic Reference Levels for commonly performed diagnostic x-ray procedures.

During my Canadian post at the Queen Elizabeth II Hospital in Halifax Nova Scotia (1990 – 1996) in addition to my medical physics duties I also held the academic position of Assistant Professor in the Faculty of Medicine at Dalhousie University where I lectured Medical Physics to first and second year Radiology Residents and also held the hospital position of Affiliated Scientist. When first arriving in the Kingdom of Saudi Arabia in October 1996, I worked at the Biomedical Physics department of King Faisal Specialist Hospital & Research Centre (Riyadh) until June 2009 of which I held the hospital appointment of head of the Imaging Physics Section and title of chief medical physicist. In August 2009, I was employed by Johns Hopkins Aramco Healthcare (JHAH) in Dhahran Saudi Arabia and currently hold the title of consultant medical physicist with the hospital appointment of lead of the Imaging Support Team.

Throughout my professional courier, I have worked at various institutions to set up and maintain diagnostic radiological physics consulting and equipment testing services to the departments of Radiology, Cardiac Cath Lab, Dentistry, at Royal Palace Radiology clinics associated with KFSH&RC (Riyadh), at Saudi Aramco designated facilities and also to train junior medical physicists and QC technologists. The clinical services I helped set up and in turn maintained are in Angiography, conventional and digital Radiography/Fluoroscopy, conventional and digital Portable Radiography (x-ray and c-arm), conventional and digital Mammography, single and multi-slice Computed Tomography (CT), Cardiology (Cath Labs), Dentistry, Laser Cameras, Lithotripsy, Ultrasound, Computed Radiography (CR) digitizers and just recently I began work in Magnetic Resonance Imaging (MRI) and SPECT/CT. On numerous occasions I have provided computer support services in the form of network administration, Radiology IT consultant, have developed imaging MATLAB software and have performed national studies. I also have provided medical physics consulting services to institutions for hospital revenue generating ventures in the form of equipment commissioning, radiation protection consultations, acceptance testing, image optimization, and clinical protocol development. In addition to the above, I also have been functioning as a Picture Archiving and Communications System (PACS) consultant for over 17 years, involving myself in their procurement, implementation and managing their clinical operation. I have been proactive in imaging technology implementation, education, evaluation and image optimization of digital radiography, digital mammography, CT and CR technology. On the academic track, I have been involved in the development of Medical Physics Residency programs, have actively coordinated and participated in numerous local conferences and workshops; have been heavily involved in the education of Radiology residents to prepare them for Saudi Board and/or Arab Board Radiology physics examinations; and have supervised Medical Physicist MSc student summer research projects.

Biography



Ibrahim Duhaini, *MS, FIOMP, DIMPCB*
Chief Medical Physicist & RSO
Rafik Hariri University Hospital
MP Instructor at the Lebanese University
Beirut - Lebanon

Qualifications:

- ✓ *BS, Biology, 1995, American University of Beirut, Lebanon*
- ✓ *Teaching Diploma, Science, 1996, American University of Beirut, Lebanon*
- ✓ *MS, Medical Physics, 2000, Wayne State University, USA*
- ✓ *PhD, Physics, BAU, expected 2021*
- ✓ *Radiation Oncology Medical Physics Board Certified with the IMPCB, 2018*

Ibrahim Duhaini is the Chief Medical Physicist (Radiation Oncology Department) and the Radiation Safety Officer since 2004 at Rafik Hariri University Hospital (RHUH) in Beirut, Lebanon. In 2000, He earned a Master Degree in Medical Physics from **Wayne State University** Medical School in Detroit, Michigan, USA. Then he worked at several hospitals in Michigan: Detroit Medical Center, St. Mary Mercy hospital, and Oakwood Hospital. He also served as the Secretary General of the Great Lakes, Michigan Chapter of the **AAPM** in 2004.

In 2006, he helped setting up the Lebanese Association of Medical Physics (**LAMP**). In 2008 he represented Lebanon as the charter member for establishing of the **IMBCB** and served in many committees since then. He was also the founding member of the Middle East Federation of Organizations of Medical Physics (MEFOMP) and served two terms as the President from 2009 till 2015.

He served in many committees of the International Organization of Medical Physics (**IOMP**) namely: Education and Training, Professional Relations, Awards & Honors, and Calendar Editor for e-MPW. He is an Editor at *Physica Medica* Journal in Europe and Associate Editor at *Health and Technology*. He is currently the Treasurer of IOMP (2018-2021). He is also the TLD and DIRAC country coordinator with the **IAEA** for Lebanon since 2014.

Ibrahim Duhaini is also a member in the **Pan American Health Care Exchange** Organization and the **Chemical, Biological, Radiological and Nuclear** Experts Organization. He participated in more than **130** International Conferences and Medical Physics International meetings and he is a consultant medical physics expert in the region with more than **20 years** of experience in the field. He worked in **Qatar** as a Consultant Medical Physicist at Sidra Hospital and Turkish Hospital and as a Director of Radiation Safety at Hamad Medical Corporation.

He received many awards some of them are:

- International Day of Medical Physics Award **IDMP** in **2015**
- the International Organization of **Medical Physics Presidential Award** in **2016**
- the International Organization of Medical Physics Fellow Award (**FIOMP**) **2017**
- the Lebanese University **Pioneer Award** **2018**

Finally, Ibrahim Duhaini's objective is to deliver the knowledge and expertise he has gained throughout the years and to serve his fellow colleagues in the profession to the best of his knowledge and capacity.

Committee Member Biography

Youngyih Han, Ph.D.

Professor and Chief Medical Physicists
Department of Radiation Oncology, Samsung Medical Center,
Samsung Advanced Institute for Health Science & Technology (SAIHST),
Sungkyunkwan University School of Medicine, Seoul, Korea



I have worked in Medical Physics for 20 years. I started my career as a Clinical Fellow at Yonsei University in Seoul, Korea where I received clinical training for radiation oncology physics service. Since 2002, I have worked as a staff physicist at Samsung Medical Center and received a faculty appointment at Sungkyunkwan University in 2004.

Among a breadth of responsibilities -- my clinical service included machine selections, acceptance test and clinical commissioning of IMRT and IGRT X-ray machines due to the opening of the Samsung cancer center. Later I served as a project manager of the Samsung Proton Project, which also involved selecting machines, commissioning clinical proton therapy systems and other project management. Currently my primary medical services are proton therapy treatment with a focus on the motion management, developing efficient QA devices/methods for proton machine QA as well as pretreatment QA for proton patients.

My society activities include -- WC 2006 Scientific Committee member, Korea FDA Research & Development advisory committee, Energy Advisory committee member for the Korean Ministry of Trade, Industry and Energy, various key roles in the Korean Society of Medical Physics such as chair of Scientific Committee, Secretary General, Vice President and also President from 2016 to 2017.

Since 2017 I have worked for Korean Medical Physics Certificate Board (KMPCB). I served as CEO in 2017 and Chief-Examiner from 2018 to 2020.

I have published over 30 peer reviewed papers in international journals, registered 10 patents and 5 programs. I have been awarded nine Korean Government research grants since 2004. Currently my research focuses on applying machine learning to improve patient care and efficiency of machine QA.

Committee Member Biography

Will Rae, Ph.D.

Senior Medical Physicist
Diagnostic Radiology
Prince of Wales Hospital, Sydney, Australia



Will Rae was educated during the late 1970s, (BSc Maths, Physics, Rhodes University, Grahamstown), and 1980s (MBChB, University of the Witwatersrand, MSc in Medical Physics, University of Cape Town). He started clinical work as a Medical Physics in 1988. He completed his PhD in 1996 in the field of 3D gel dosimetry. He was employed for 30 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 presented more than 100 papers at national and international congresses and has co-authored 45 reviewed articles in accredited journals. He co-authored 3 books and holds one patent for a digital breast tomosynthesis test object. He was active in his professional society for many years and represented the SAAPMB and SAMPS at the IOMP from 2003 to 2015. He was the Medical Physics representative on the Health Professions Council of South Africa where he served for 5 years on the Medical Sciences Committee which accredits training institutions and assesses and registers Medical Scientists in various disciplines to practice in SA. He was employed for 8 years until 2017 as the Head of Medical Physics at Universitas Hospital and the University of the Free State, the largest academic Department in SA, working in the field of Diagnostic Radiology. He headed up the education and training of Medical Physicists. He has served as an external examiner at several institutions around SA and examined for the Colleges of Medicine of SA. He then worked for 3 years at the University of Sydney in the Discipline of Medical Imaging Sciences. He is currently Senior Medical Physicist in Diagnostic Radiology at the Prince of Wales Hospital, Sydney and also works as a Training Education and Accreditation Program Coordinator for the ACPSEM. He has successfully participated in supervision of 11 PhD students and currently has six PhD students in progress. His research interests include quantitative image analysis and test object development.