

Outstanding Contributions Over the Last 50 Years

50 Years
of IOMP



1963-2013

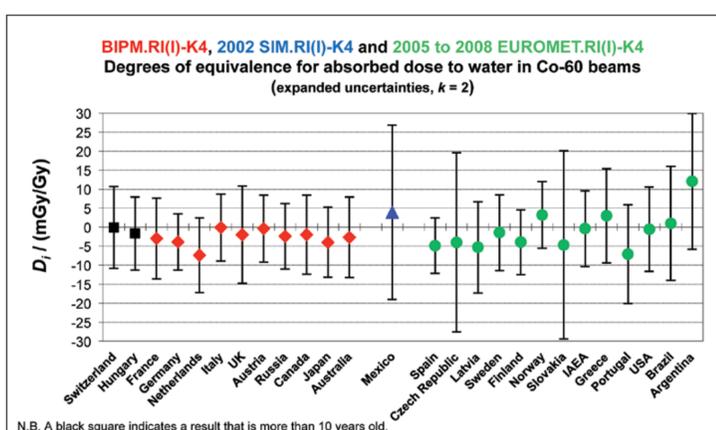
Penelope Allisy-Roberts

Dr Penelope Allisy-Roberts OBE, FInstP, FIPeM, FSRP is known for her work in the field of radiation protection, for which she was awarded an OBE in 1999. Whilst working for the International Bureau of Weights and Measures (BIPM) she oversaw significant developments in the field of ionizing radiation metrology. She has also made a major contribution to the teaching, organisation and professionalism of this discipline.

Dr Roberts became a medical physicist in 1971 and first held posts at the Queen Elizabeth Medical Centre in Birmingham, UK, based in the Regional Radiation Physics and Protection Service, of which she became Consultant Physicist and Head in 1988. In 1990, she was appointed Director of Medical Physics and Engineering at Southampton University Hospital. In these posts, she expanded the physics services, training and provision to other hospital departments.

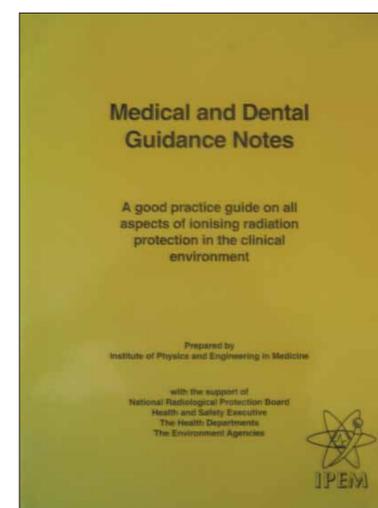
In 1994, she became a radiation metrologist at the Bureau International des Poids et Mesures (BIPM). As Director of the Ionizing Radiation Department there, she was responsible for assuring the metrological equivalence of national standards in radiation dosimetry for x-ray and gamma radiation beams. Under her direction, the range of international standards was expanded to cover

dosimetry in radiotherapy accelerator x-ray beams, mammography x-ray beams and high dose-rate brachytherapy with ^{192}Ir . She also assured radionuclide activity metrology standards for some 65 different radionuclides and promoted the development of a transfer instrument for activity measurements of short-lived radionuclides. Her work ensured the future viability of the International System for Radionuclide activity measurements (SIR) at the BIPM. She retired in 2012.



International equivalence of national dosimetry standards assured by the BIPM.

serving this field. She has been active in the Institute of Physics and Engineering in Medicine (IPEM) since 1971, becoming its first female President in 1990. She has served on national committees for the Department of Health, Department for Business, Innovation & Skills and the Health and Safety Executive. Internationally, she has served on committees of: the European Council, the International Commission on Radiological Protection, the International Commission on Radiation Units and Measurements, the International Atomic Energy Agency and World Health Organization Network of Secondary Standards Dosimetry Laboratories (SSDL) and the European Federation of Organisations for Medical Physics. She is currently the Secretary of the EU Training and Education in Radiation Protection (EUTERP) Foundation. Her committee work has resulted in several collaborative publications, including the Medical and Dental Guidance Notes and the SSDL Network Charter.



Example of a cooperative effort in medical radiation protection.