

KWAN HOONG NG - A RECEIPIENT OF THE ASIAN SCIENTIST 100 (2019 EDITION)



Professor Kwan Hoong Ng, the 2018 IOMP Marie Skłodowska Curie Awardee, has just been honoured by the Asian Scientist 100 (2019 edition) under 'Physics; category. The Asian Scientist 100 celebrates the successes of Asia's brightest researchers and innovators, highlighting their achievements across a range of scientific disciplines. Now in its fourth year, AS100 is a community of early-career and established scientists who have made significant contributions to their respective fields. The criteria to be acknowledged on the list, honorees must have won a national or international prize in the past year, or have been recognized for their significant achievements in scientific research or leadership in academia or industry.

The Asian Scientist Magazine, headquartered in Singapore, is an award-winning science and technology magazine that highlights R&D news stories from Asia to a global audience. The full list is given at <https://www.asianscientist.com/as100>

Dr Ng is a Professor at the Department of Biomedical Imaging, University of Malaya, Kuala Lumpur, Malaysia. He is certified by the American Board of Medical Physics. He is a Fellow of the Institute of Physics, UK, the International Organization for Medical Physics (IOMP), and the Academy of Sciences Malaysia. He is also a member of the Academy of Medicine Malaysia.

Dr Ng established the Master of Medical Physics Programme, University of Malaya in 1998. In 2002, he was responsible for obtaining the UK's Institute of Physics and Engineering in Medicine (IPEM) accreditation for the Master of Medical Physics programme, which remains the only programme so accredited outside the British Isles. Dr Ng has also contributed greatly to the teaching and training of radiology and clinical oncology residents.

Dr Ng has contributed extensively to the IOMP for over two decades. In 2013 the IOMP honoured him as one of the top 50 medical physicists for his outstanding contributions to the field. In 2016 he received the International Day of Medical Physics (IDMP) Award.

Dr Ng is active in breast density research and its clinical applications in predicting breast cancer. His other research contributions are in breast imaging, radiological protection, radiation dosimetry and medical physics education.

Dr Ng has authored/coauthored more than 250 peer-reviewed journal papers, 80 conference papers, 30 book chapters and co-edited eight books. He has presented more than 570 scientific papers, with over 300 of them being invited lectures. He is a member of the editorial and advisory board of more than 12 journals, and has served as one of the series editors for the "Series on Medical Physics and Biomedical Engineering" published by CRC Press (Taylor and Francis).

As a consultant and expert with the International Atomic Energy Agency (IAEA), he has participated in numerous expert missions, conference lectures, and in drafting and reviewing standards, guidelines, chapters and reports.

Dr Ng is the Founding President of the South East Asian Federation of Organizations for Medical Physics (SEAFOMP), serving from 2000-06 before being appointed as the President Emeritus in 2014. He instituted the John Cameron Memorial Lecture series. Further, he became one of the founding members of the Asia Oceania Federation of Organizations for Medical Physics (AFOMP), serving as its President from 2010-12. In 2014, he founded the ASEAN College of Medical Physics, which conducts regular medical physics education and training workshops.

In 2017, he started an international leadership and mentoring programme for medical physicists, collaborating with Prof. Robert Jeraj, Prof. Tomas Kron and Prof. Eva Bezak as fellow mentors.

Throughout his career, Dr Ng has been a passionate educator and communicator in various fields and he is often invited to build skills and capacity in South East Asia and many developing nations.