

PROFESSOR EHSAN SAMEI AWARDED THE MARIE SKLODOWSKA-CURIE AWARD OF IOMP, 2022



The Marie Sklodowska-Curie Award is one of the highest awards given by the International Organization for Medical Physics. It was established to honour scientists who have distinguished themselves by their contributions to education and training, advancement of medical physics knowledge based upon independent original research and/or advancement of the medical physics profession.

Ehsan Samei is the Reed and Martha Rice Distinguished Professor of Radiology, and Professor of Medical Physics, Biomedical Engineering, Physics, and Electrical and Computer Engineering at Duke University, where he also serves as Chief Imaging Physicist, Director of the Ravin Advanced Imaging Laboratories, and Director of the Center for Virtual Imaging Trials. He completed his graduate studies at Georgia Tech and the University of Michigan, and post-graduate training at Henry Ford Hospital. He has been a visionary leader and founding force behind major scientific, educational, and professional initiatives in medical physics, including the Society of Directors of Academic Medical Physics Programs, the Center for Virtual Imaging Trials, the Medical Physics 3.0 initiative, the Duke Medical Physics Graduate, Residency, and the Clinical Imaging Physics units.

Professor Samei's research ranges from his pioneering work on medical displays, now the basis of international standards in that area, to formative work on in-phantom and in vivo image quality assessment, dosimetry and dose-quality monitoring and optimization, and virtual clinical

trials. Most notably, he has been a visionary role model for translational medical physics, where the clinical utility of innovations is measured not in terms of publications alone but in terms of patient-informed practice of physics in clinical medicine. This has been the primary motivation behind the Medical Physics 3.0 movement, transforming the field towards broad(er) application of physics in medicine and more intentional commitment to integrating science and relevance in medical physics scholarship. This is echoed through his over 330 refereed papers, 4 books, and hundreds of invited lectures and conference papers. He has also been a committed educator, mentoring over 135 graduate students and junior scientists.

Professor Samei has received numerous extramural grants, been recognized as a Distinguished Investigator by the Academy of Radiology Research, and awarded the Farrington Daniels Award by the AAPM, Jimmy O. Fenn Lifetime Achievement Award by the SEAAPM, and fellowships of the AAPM, SPIE, AIMBE, ACR, and IOMP. He is a diplomate of the American Board of Radiology. Throughout his career, he has faithfully served major professional organizations, journals, and grant agencies, and has held elected leadership positions including the presidency of the SDAMPP, the chairmanship of the SPIE International Medical Imaging Symposium, and the upcoming presidency of the AAPM.

We in IOMP are delighted and honored to have Ehsan as the 2022 Marie Sklodowska-Curie Awardee.

Heartiest Congratulations on behalf of IOMP Executive Committee.

Madan M. Rehani, PhD
President, IOMP