



- Chair Prof. Cancer Institute (Hospital) CAMS Beijing
- Former Chair, Chinese Society of Medical Physics
- Former Vice-Chair, Chinese Society of Medical Biomedical Engi.
- Former Chair, AFOMP
- Former IUPESM AC member
- IOMP Fellow
- IUPESM Fellow
- One of The Top 50 Outstanding Contributors for MP
- One of The Top 58 Contributors for IUPESM

Yimin Hu was the leading pioneer of medical physics in China and is now acknowledged as one of the profession's most significant contributors. Today, after a career spanning almost 58 years, Yimin Hu has earned the reputation as the father of medical radiation physics in China.

Yimin Hu is the chair professor at the Cancer Institute & Hospital, Chinese Academy Medical Science and Peking Union Medical College. He was chairman of CSMP, president of AFOMP, the AC member of IUPESM and a council member of IOMP. He is a visiting professor at Tsinghua University and University of Science and Technology of China.

Professor Hu has been engaged in both clinical practice and research in medical radiation physics, specializing in radiation oncology physics in China. He designed and supervised the manufacture of the first manual-controlled multi-leaf-collimators for Co-60 unit and for Betatron electron beams in 1960s. In the 1970s he established China's first clinical dosimetry system and proposed "four dosimetric principles" of guiding the treatment planning for radiation oncologist and radiation physicist. Since 1980s, he has focused on establishing and promoting quality assurance and quality control programs as well as the adoption of contemporary techniques. In the early 1990s he pioneered linac-based X-ray stereotactic irradiation using implanted gold-markers for

image guiding. He designed the CREAT X-ray Stereotactic System including associated treatment planning system. He also designed planning software for the first generation China-made rotational γ - knife.

Professor Hu was appointed as the chair in medical physics in China and has trained numerous students, many of whom later became leading persons in their respective clinics world-wide. Since 1980s he has been pursuing the exchange ideas and innovations in the field by developing medical radiation physicist joint training, academic exchange programs and by chairing multiple national and international conferences. He is the chief editor of various textbooks, “Radiation Oncology Physics”, “Radiation Oncology Technology”, “Radiation Therapy Treatment Planning” and is the co-editor in chief of “Radiation Oncology” , Chinese Journal of Medical Physics, as well as the associated editor of various international journals.

Currently Professor Hu is currently focusing on completing the next generation of IMRT linear accelerator system (called Generation 3+/G3+), which features three heads delivering three 4π -conical-beams, by using X-ray pencil beams' scanning for doing intensity modulation and doing X-ray flash irradiation. This design integrates the clinical functions of various existing systems: C-arm based Linear Accelerators, TomoTherapy unit, X-ray SRS/SBRT systems, Elekta γ -knife, Cyber knife and others. This system is capable of doing co-planar and non-coplanar real-time imaging- and dose-guiding IMRT/SBRT. He has a new innovation patent of a new-type double-anode-surface X-ray tube for doing real-time IGRT by using CBCT

Professor Hu has had enormous influence on the development of radiation physics in China, and on the global physics community as well, that encourages not only sound clinical practices and the adoption of modern techniques, but also ensures that his passion is passed down to a new generation of professionals.