



**C. Clifton Ling, Ph.D. - NACMPA Hall of Fame Recipient 2008**

Dr. C. Clifton Ling received his Ph.D. in Nuclear Physics from the University of Washington, Seattle, in 1971 and his postdoctoral training in radiation biophysics and medical physics at Memorial Sloan-Kettering Cancer Center (MSKCC). He was a faculty member at the Massachusetts General Hospital and Harvard Medical School, George Washington University Medical Center, and University of California, San Francisco. In 1989, Dr. Ling became the Enid A. Haupt Professor and Chairman of the Department of Medical Physics, MSKCC, and Professor of Radiology (Physics), Weill Medical College of Cornell University. He stepped down as Chair in 2007, and is presently working at MSKCC and Varian Medical Systems.

During his successful career, Dr. Ling has made significant contributions to medical physics research including the fundamentals of cancer radiation biology to optimized radiation treatment planning and delivery, and more recently biological and molecular imaging as applied to cancer management. He has studied the oxygen effect, dose rate effects and the repair of sublethal damage, hypoxic cell radiosensitization, radiation induced carcinogenesis and apoptosis, and the effects of oncogenes on radiosensitivity. Dr. Ling also contributed significantly to brachytherapy dosimetry and the development and widespread use of 3DCRT and IMRT. Dr. Ling has been the principal investigator on numerous grants from the National Institutes of Health, Department of Energy, and American Cancer Society. He has published over 230 peer-reviewed papers and 30 chapters in books and proceedings. He was on grant review panels of both the U.S. and Canadian National Cancer Institutes. He served on the editorial boards of Medical Physics, International Journal of Radiation Oncology/Biology/Physics, Radiotherapy and Oncology, Seminars in Radiation Oncology, Radiation Research, and Radiographics. Over the years, Dr. Ling has been actively involved in educational as well as professional activities. He has trained many students and physicists. He served on the committees of many professional societies. For example, he served on the AAPM Board of Directors and chaired the Scientific Program Committee and Science Council. He also served as chair of the ASTRO Radiation Physics Committee, and Councilor in Physics in Radiation Research Society.

Dr. Ling has received numerous honors and awards, including ASTRO Gold Medal Award, AAPM William D. Coolidge Award, Honorary Member of ESTRO, Evan and Marion Helfaer Distinguished Lectureship of the Medical College of Wisconsin Cancer Center, Ray Bush Visiting Professor of Princess Margaret Hospital and Ontario Cancer Institute, Suntharalingam Lecturer of Thomas Jefferson University, Speaker of the Royal College of Physicians and Surgeons of Canada, Ira Spiro Visiting Professor of Harvard Medical School, Franz Buschke Lecturer of University of California, San Francisco, and in 2003 keynote speaker at the UK Radiation Oncology Society and Japan Radiological Society annual meetings. In 2007, he received the Distinguished Achievement and Contribution Award from the Chinese Society of Radiation Oncology, Republic of China.