

James A. Zagzebski, Ph.D., FAAPM



Jim earned his BS degree in physics from St. Mary's College of Minnesota in 1966, and his Ph.D. in medical physics (Radiological Sciences) from the University of Wisconsin in 1972. He was recruited by the Department of Human Oncology to continue at Wisconsin as a post-doctoral research associate, working on ultrasound methods for guiding and monitoring radiation therapy treatments. Later he joined the Medical Physics faculty, where he established a research program in medical ultrasound, developed and taught graduate and sonographer courses on medical ultrasound physics, and initiated ultrasound quality control services at UW Hospitals. Besides early research on tumor localization, he has worked on tissue mimicking phantoms for ultrasound training, research and performance testing of diagnostic and therapeutic US equipment; methods for monitoring physiological motion during speech production; techniques for measuring ultrasound scattering from tissue and materials; and development of quantitative ultrasound techniques to enhance diagnosis.

In addition to CAMPEP's Graduate Education Review Committee, Jim has served on committees in several other national and international organizations, including the International Electrotechnical Commission's Technical Committee 87D, the American Institute of Ultrasound in Medicine, the American Registry of Diagnostic Medical Sonographers, the American College of Radiology, the International Commission on Radiation Units and Measurements, the Society of Directors of Academic Medical Physics Programs, and the American Association of Physicists in Medicine. He was honored to serve as vice-chair (1987-1998), then as chair (1998-2013) of the Department of Medical Physics at the University of Wisconsin School of Medicine and Public Health. Currently he is Professor Emeritus of Medical Physics.