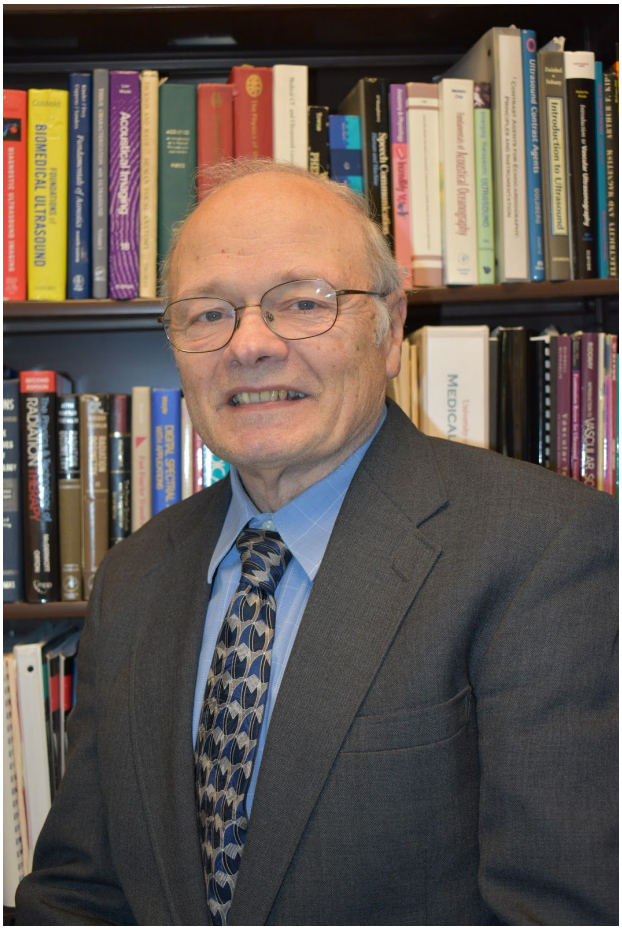
William J. Fry Memorial Lecture Award

The William J. Fry Memorial Lecture Award was established by Joseph H. Holmes, MD, in 1969 and presented for the first time at the AIUM Convention in Winnipeg, Canada, that year. William J. Fry was a physicist with a strong interest in ultrasound in medicine, whose innovative research efforts advanced the field of medical ultrasound. One of Professor Fry's most notable contributions was the successful design of an ultrasonic system used to pinpoint lesions in the brain without damaging adjacent tissues. This ultrasonic system was later used to treat various brain diseases and, in particular, Parkinson disease. His impassioned interest in ultrasound led him to become president of the AIUM from 1966 until his death in 1968. The following year, the William J. Fry Memorial Lecture Award was established in his honor. It recognizes a current or retired AIUM member who has significantly contributed in his or her particular field to the scientific progress of medical ultrasound.

James A. Zagzebski, PhD



This year, the AIUM is proud to bestow the William J. Fry Memorial Lecture Award on James A. Zagzebski, PhD, whose dedication to enhancing the field of ultrasound physics has spanned his entire career. Professor Zagzebski began his prestigious career with a bachelor's degree in Physics from St Mary's College in Winona, Minnesota, in 1966 and went right on to receive his masters in physics in 1968 from the University of Wisconsin in Madison, Wisconsin, followed by earning his PhD in radiological sciences in 1972 from the same institution.

Since he graduated, Professor Zagzebski has remained committed to the University of Wisconsin, beginning with sharing his vast knowledge with students as the postdoctoral research associate and working his way up to professor and then chair of the Department of Medical Physics and is currently professor emeritus. Throughout his career, he has taught courses on ultrasound physics as well as mentored more than 20 PhD graduate students in addition to 7 other graduate students, has been an associate editor for 2 journals, reviewed manuscripts for 6 journals, published numerous articles and 6 books, including the textbook "Essentials of Ultrasound Physics" written for sonographers. Jim has given more than 300 presentations, and has 13 patents.

And that's not all. Professor Zagzebski also donates his time. He has been on the Board of Directors (1986–1998) and was president (1993–1998) of the John R. Cameron Medical Physics Foundation as well as the Medical Physics Publishing Corporation, for which he has been on the Board of Directors since 1996 and has been president since 2000. In addition, Professor Zagzebski is a member of 5 professional societies: the American Association of Physicists in Medicine, the AIUM, the Institute of Electrical and Electronics Engineers Ultrasonics Society, the American College of Radiology, and the Society of Directors of Academic Medical Physics Programs. He has been a member of committees (usually more than 1) of 12 associations and programs, including the AIUM, on which he was, and in some cases still is, a member on 2 committees, 1 subcommittee, 2 task groups, and the Board of Governors twice. He has co-authored "technical standards documents" for the AAPM, the AIUM, the IEC, and the ACR. Most of these deal with performance measurements and quality control testing of clinical ultrasound equipment.

Professor Zagzebski's work in ultrasound physics has earned him the Best Paper Award from the *Journal of Clinical Ultrasound* in 1992, as well as the Joseph H. Holmes Basic Science Pioneer Award from the AIUM in 1996. He also became a fellow of the AIUM in 1992 and the American Association of Physicists in Medicine in 1997.

Professor Zagzebski is deserving of the William J. Fry Memorial Lecture Award for his continued devotion to teaching others and sharing his vast ultrasound physics knowledge.