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 Annual Convention in Winnipeg 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 Prof 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 pathologies 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.

Wesley Lee, MD

It is the honor of the AIUM to present this year’s William J. Fry Memorial Lecture Award to Wesley Lee, MD, an outstanding clinician, researcher, and educator who has been a staunch and dedicated AIUM member for more than 3 decades.

A native of Oregon, Dr Lee earned his medical degree from Oregon Health Sciences University before moving to Texas to complete a residency at Parkland Memorial Hospital in Dallas and a maternal-fetal medicine fellowship at Baylor College of Medicine in Houston. He remained at Baylor for another 2 years before heading north to Michigan, where he ultimately served as fetal imaging director at William Beaumont Hospital with joint academic affiliations at Wayne State University and the University of Michigan. He has been a long-time scientific collaborator with the Perinatology Research Branch of the Eunice Kennedy Shriver National Institute of Child Health and Human Development. In 2011, Dr Lee returned to Baylor College of Medicine in Houston as a professor of obstetrics and gynecology. He is the section chief for women’s and fetal imaging at Baylor and a codirector of the Texas Children’s Fetal Center. Dr Lee has also been a deputy editor for the Journal of Ultrasound in Medicine for the past 5 years.

Dr Lee has authored 148 peer-reviewed articles and 20 book chapters pertaining to maternal-fetal medicine, prenatal detection of congenital anomalies, 3-/4-dimensional fetal sonography, and fetal magnetic resonance imaging. He is also a coeditor of the textbook Sonography in Obstetrics & Gynecology: Principles and Practice. A past scientific advisor to the World Health Organization, he has chaired task forces on behalf of the AIUM, the American College of Obstetricians and Gynecologists (ACOG), and the Society for Maternal-Fetal Medicine with regard to prenatal sonography practice guidelines and has served as chair of the Clinical Standards Committee for both the AIUM and the International Society of Ultrasound in Obstetrics and Gynecology (ISUOG).

Dr Lee is on the Editorial Board of Ultrasound in Obstetrics and Gynecology and serves as a peer reviewer for many journals, including some unexpected publications that demonstrate the depth and breadth of his expertise (eg, Journal of Zoo and Wildlife Medicine and Journal of Nutrition). A consummate instructor, he has earned multiple awards for his presentations, including the Alfred Kratochwil Award and an award for Best Oral Communication from ISUOG. Dr Lee has received grant support from the National Institutes of Health Small Business Innovation Research program and the March of Dimes Foundation.

A fellow of both the AIUM and ACOG, Dr Lee is that exceptional—and rare—individual who gives 100% to every professional assignment. For the AIUM alone, he has served on 10 committees, as well as on its Board of Governors. And in every role that he has held, he has strived to take the tasks and the goals to the next step (“What if we tried . . . ?” “What if we added . . . ?” “Have we considered . . . ?”). He carries that attitude and dedication through with regard to his research, his academic obligations, his clinical responsibilities, and his patient care—and the field of medical ultrasound is its beneficiary.
Joseph H. Holmes Basic Science Pioneer Award

The Pioneer Award, which honors an individual who has significantly contributed to the growth and development of medical ultrasound, was established in 1977. This special award was renamed in 1982 to honor Joseph H. Holmes, MD, who died that year. Dr Holmes, the first person named as an AIUM pioneer, was an important figure to both the field of diagnostic ultrasound and the AIUM. His early efforts in ultrasound research, which included tissue characterization and ultrasound’s diagnostic use in polycystic kidney disease and orthopedics, helped advance the field of ultrasound and encourage others to conduct new research. Serving the AIUM in many capacities, Dr Holmes was president from 1968 to 1970 and was editor of the AIUM’s official journal, which was then titled the Journal of Clinical Ultrasound, for nearly 10 years. Each year, the Joseph H. Holmes Pioneer Award honors 2 individuals: 1 in clinical science and the other in basic science.

Flemming Forsberg, PhD

It’s impossible to sum up in a few short paragraphs an individual with a 98-page curriculum vitae that is printed in a tiny font, but that detail alone provides an indication of the reasons behind why Flemming Forsberg, PhD, was chosen as the 2015 recipient of the Joseph H. Holmes Basic Science Pioneer Award.

Dr Forsberg developed his interest in ultrasound when the field was—if not in its infancy—only at the toddler stage. His project for his master’s degree focused on Doppler ultrasound, followed shortly by a PhD in medical engineering and physics. His career has included serving as a biomedical engineer in Finland, a research assistant in Denmark, and an ultrasound physicist and software engineer in England before he finally crossed the pond in 1992 to join the faculty of Thomas Jefferson University (TJU)—a place he has called home ever since. A tenured professor of radiology and director of ultrasound physics, Dr Forsberg has been the principal investigator on dozens of ground-breaking research projects, as well as principal investigator for 30+ industrial grants and coinvestigator for 100 other research endeavors for the National Institutes of Health (NIH), the Department of Defense (DoD), nonprofit organizations, and industry. Thus, it is not surprising that he has 145+ papers in peer-reviewed journals and more than 480 conference proceedings. In addition, he has served as a grant reviewer for the NIH, the DoD, the American Heart Association, the Radiological Society of North America, and the Swedish Research Council.

To be successful, scientists must certainly be serious minded, but in Dr Forsberg’s case, that doesn’t mean humorless. Indeed, his quick wit—expressed with just a hint of a Danish accent—and self-effacing manner might contribute to why he has been such a popular and effective mentor and adviser to more than 30 doctoral and master’s degree candidates at TJU and Drexel University, where he has been an adjunct professor since 2002. Dr Forsberg uses his “free” time to review for 18 different medical, science, and physics journals. A deputy editor for the Journal of Ultrasound in Medicine, he also serves on the editorial board of Ultrasound in Medicine and Biology. He is a member of multiple professional societies and a fellow of both the AIUM and the American Institute for Medical and Biological Engineering and has served on a wide variety of academic and societal committees.

It goes without saying—based on all his academic and research achievements—that Dr Forsberg has been the recipient of manifold commendations, ranging from awards and prizes for scientific presentations to his most recent honor: the 2014 Dean’s Award for Excellence in Faculty Mentoring at Jefferson Medical College.

Born in Copenhagen, Dr Forsberg was in his second year of school at the Technical University of Denmark when Dr Holmes died, so they would not have had the opportunity to meet. But, there is no doubt that Dr Holmes would hold Dr Forsberg in the highest esteem for what he has contributed to ultrasound research. Still only in mid-career, there will surely be many more accolades to come for this exceptional scientist and father of 2 children who are already following in his footsteps in ultrasound research.
2015 AIUM Award Winners

Joseph H. Holmes Clinical Pioneer Award

The Pioneer Award, which honors an individual who has significantly contributed to the growth and development of medical ultrasound, was established in 1977. This special award was renamed in 1982 to honor Joseph H. Holmes, MD, who died that year. Dr Holmes, the first person named as an AIUM pioneer, was an important figure to both the field of diagnostic ultrasound and the AIUM. His early efforts in ultrasound research, which included tissue characterization and ultrasound’s diagnostic use in polycystic kidney disease and orthopedics, helped advance the field of ultrasound and encourage others to conduct new research. Serving the AIUM in many capacities, Dr Holmes was president from 1968 to 1970 and was editor of the AIUM’s official journal, which was then titled the Journal of Clinical Ultrasound, for nearly 10 years. Each year, the Joseph H. Holmes Pioneer Award honors 2 individuals: 1 in clinical science and the other in basic science.

Peter W. Callen, MD

Peter W. Callen, MD, joined the AIUM more than 3 decades ago, becoming a fellow in 1986, and his commitment to ultrasound has never wavered, which is one of the reasons he is this year’s recipient of the Joseph H. Holmes Clinical Pioneer Award. A member of the Editorial Board of the Journal of Ultrasound in Medicine during the tenure of the publication’s first editor, Dr Callen has spent his entire professional career educating and inspiring young radiologists and obstetricians/gynecologists. Indeed, the names of many of the more than 100 fellows and residents whom he has mentored and supervised will be recognizable to most physicians and sonographers because they are the lecturers whose presentations attendees make sure to attend, the researchers whose work they most respect, and the clinicians whose opinions they value the most.

Currently emeritus professor of radiology, obstetrics, and gynecology at the University of California, San Francisco (UCSF)—where he has received both a Commendation for Excellence in Teaching and an Outstanding Alumni Award—Dr Callen earned his medical degree and completed a residency and fellowship at the same institution. UCSF was right to never let him go, as he has served that institution in a more than noteworthy manner, as a chair or member of more than 20 committees for the Department of Radiology and the School of Medicine and, more importantly, as an exceptional postgraduate educator.

Well known worldwide for his textbook, Ultrasonography in Obstetrics and Gynecology—now in its fifth edition—and presently working on the sixth edition, Dr Callen is also the author and editor of an interactive text and journal that reflect his interest in Web-based instruction; he created Ob-Gyn Ultrasound Online to teach both trainees and established practitioners in the field of obstetric and gynecologic ultrasound. He has published more than 200 peer-reviewed articles and 65 book chapters, with research concentrating on sonographic signs to detect abnormalities and avoid false-positive diagnosis of abnormalities in obstetric patients, and a particular focus on fetal dysmorphology and the detection of abnormalities involving the fetal neural axis, thorax, skeletal system, and genitourINARY and gastrointestinal tracts, as well as abnormalities of the placenta and umbilical cord.

Dr Callen is a member of 6 professional imaging associations and has served on the editorial boards of 5 journals. He has been invited to give presentations across the country and has served as a visiting professor in locations throughout the United States, as well as in Japan, Puerto Rico, and Canada. At every stage in his career, Dr Callen has strived for—and achieved—excellence in research, clinical skills, and education. He has recognized the need for high-quality ultrasound instruction for residents and practicing physicians, and he has successfully set about to fulfill that need through lectures, research papers, Internet-based teaching, and mentoring. He is an inspiration to all those who follow.
Peter H. Arger, MD, Excellence in Medical Student Education Award

The Peter H. Arger, MD, Excellence in Medical Student Education Award was established in 2013, with its first presentation occurring at the 2014 AIUM Annual Convention in Las Vegas, Nevada. Dr Arger has contributed much to the AIUM and to the growth of diagnostic ultrasound, but his true passion has been ultrasound education. This annual presentation honors an individual whose outstanding contributions to the development of medical ultrasound education warrant special merit.

David Bahner, MD, RDMS

At quick glance, the boyish features might lead you to think David Bahner, MD, RDMS, only recently completed his residency. But don’t be fooled. Dr Bahner has accomplished more in the 2 decades since he completed medical school than other physicians will achieve in a lifetime, which is why the AIUM is proud to present him with the 2015 Peter H. Arger, MD, Excellence in Medical Student Education Award.

Only the second recipient of this award, Dr Bahner earned his MD degree from the University of Cincinnati College of Medicine before completing his residency in emergency medicine at the Ohio State University Medical Center. Born and bred in Ohio, he is a professor in the Department of Emergency Medicine, Ohio State University College of Medicine, but he has shared his expertise with those far from his Midwestern home, participating in medical missions in Asia and the Mideast, as well as completing a visiting professorship in China. In addition, he has given dozens of presentations in Italy, Spain, France, South Korea, Canada, China, and India on issues related to his 3 passions: ultrasound, emergency medicine, and medical education. Coupled with the more than 200 presentations he has given both nationally and locally in Ohio, it is obvious that Dr Bahner is an exceptional speaker and educator.

What shines through in his long list of lectures, posters, and abstract presentations is his commitment to superb education for medical students, residents, and physicians in practice. He has been actively engaged in curriculum development for 15 years and has invented a variety of protocols and techniques to ensure the highest quality patient care. Indeed, most of the many grants on which he has worked have focused on education—from protocols to telemedicine to Web-based information transfer to training curricula.

A prolific writer with a multitude of articles and book chapters to his credit, Dr Bahner is an associate editor of the Journal of Ultrasound in Medicine and serves on the editorial boards of 4 other journals. In addition to having served on more than 40 hospital committees and medical school boards, he is a member of a dozen professional societies for which he has served, and often chaired, education-related committees.

A past member of the AIUM Board of Governors, in 2011 he was asked to chair a new initiative: the Ultrasound in Medical Education Interest Group. He didn’t just acquiesce to this request; he threw himself heart and soul into the endeavor. Under his leadership, an Ultrasound in Medical Education online portal was created with multiple resources and tools to assist clinicians, educators, administrators, and students with what is needed to ensure outstanding ultrasound training in medical school. Dr Bahner oversaw the implementation of a mentor program, a discussion forum, and a tool kit to increase the number of medical schools incorporating ultrasound in their curricula, as well as making it easier for them to do so by learning from the experiences of others. For the past 3 years, Dr Bahner has also coordinated multiple Special Interest Sessions at each AIUM Annual Convention, focusing on the integration of ultrasound into undergraduate medical education and its future.

Dr Peter Arger—a trailblazer in the field—can rest assured that Dr Bahner is successfully carrying on his legacy and leading the charge for medical students to be well versed in the use of ultrasound.
Distinguished Sonographer Award

Established in 1997, the Distinguished Sonographer Award is a means of recognizing and honoring current or retired AIUM members who have significantly contributed to the growth and development of medical ultrasound. This annual presentation honors an individual whose outstanding contributions to the development of medical ultrasound warrant special merit.

Lisa M. Allen, BS, RDMS, RDCS, RVT

The AIUM has approximately 2500 sonographer members, but Lisa M. Allen, BS, RDMS, RDCS, RVT, sets the standard to which other sonographers should aspire, which is why she is the recipient of the 2015 Distinguished Sonographer Award.

In 1990, Ms Allen received her bachelor of science degree in diagnostic medical sonography from the Rochester Institute of Technology—an organization that would bestow on her the title of Outstanding Educator in 2005. On graduation, she worked for Crouse Hospital in Syracuse, New York, for 2 years before moving to the Regional Perinatal Center, State University of New York (SUNY) Upstate Medical University, where she is the ultrasound coordinator and high-risk obstetric sonographer in the Department of Obstetrics and Gynecology.

Certified in nuchal translucency imaging and nasal bone imaging, Ms Allen is a registered vascular technologist and a registered diagnostic cardiac and medical sonographer in obstetrics and gynecology, the abdomen, and neurosonography. Committed to ensuring that sonographers are well qualified in their profession, she has been active with the American Registry for Diagnostic Medical Sonography, serving as an item development writer for its Fetal Echocardiography Exam Development Task Force and as a member of the Obstetrics and Gynecology Exam Development Task Force. She has been just as committed to educational excellence with the Society of Diagnostic Medical Sonography through membership on its National Certification Exam Review Task Force, Continuing Medical Education Review Committee, and Curriculum Subcommittee of the Advanced Practice Committee, among other activities.

For the AIUM, Ms Allen has been just as involved but with an even broader range of responsibilities. Elected as second vice president for 2 consecutive terms, she has served as Executive Committee liaison to committees; has been an active member of the Ultrasound Practice Accreditation Council, the Clinical Standards Committee, and the Scientific Abstract Review Committee; has been a reviewer for senior and fellow membership applications as well as the Journal of Ultrasound in Medicine; has acted as a moderator for Annual Convention Scientific Sessions; and has been the communications representative for both the Obstetric Ultrasound and the Fetal Echocardiography Communities. But those are only some of her official assignments for the AIUM. Not listed on her curriculum vitae are the countless times staff and officers have asked for her assistance, to which she has always responded with a gracious and committed “Yes. What do you want me to do?” She has taken the mission of the AIUM to heart and has worked diligently on behalf of all sonographers.

Ms Allen has been a contributor to textbooks, book chapters, and continuing medical education publications as well as the lead author on more than a dozen articles in peer-reviewed journals on issues related to prenatal ultrasound. Since 1996, she has given presentations to share her knowledge and expertise with medical professionals as well as encourage science-related careers among students. It will come as no surprise that she was chosen as SUNY Upstate Medical University Employee of the Year (Clinical) in 2011, or that she has received awards for nursing excellence, for professional development, and for scientific poster competitions. Ms Allen is the quintessential medical professional whose every action demonstrates her passion for ultrasound, her dedication to ensuring that sonographers receive the respect they deserve and the education they require, and her commitment to the specialist organizations whose ultimate objective is superb patient care.
Honorary Fellow Award

The Honorary Fellow Award bestows an honorary membership to individuals who have contributed significantly to the field of ultrasound.

Tom Bourne, PhD, FRCOG

Tom Bourne, PhD, FRCOG, attended University College Hospital Medical School, University of London, followed by a residency in the Emergency Department at Bristol Royal Infirmary and the Neonatal Intensive Care Unit at the John Radcliffe Hospital in Oxford. He subsequently trained in obstetrics and gynecology at St Mary’s Manchester and in the Gloucester Royal Infirmary and was introduced to ultrasound when he took a post at King’s College London as a research fellow to Professor Stuart Campbell and ultimately lecturer and senior registrar.

While at King’s College, he introduced the use of vaginal ultrasound and color Doppler imaging before accepting a visiting scientist fellowship at the University of Göteborg in Sweden. There, he initiated research on ovarian function and gynecologic ultrasound and wrote his PhD dissertation on the early detection of ovarian and endometrial carcinoma. Prof Bourne furthered his surgical training in Norway and Belgium before returning to the United Kingdom. He was awarded the MRCOG in 1990 by the Royal College of Obstetricians and Gynaecologists and FRCOG in 2003.

Appointed as consultant obstetrician and gynecologist at St George’s, London, in 1996, Professor Bourne was conferred the title of reader in acute gynecology and gynecologic ultrasound in 2005. Appointed in 2007 as visiting consultant and professor at Katholieke Universiteit Leuven in Belgium, he left St George’s in 2008 to accept his current post as consultant gynecologist at Queen Charlotte’s and Chelsea Hospital London and adjunct professor at Imperial College London.

He has edited 6 books, published more than 300 papers, and been invited to speak at multiple international meetings. Professor Bourne leads a life of service. He is on the Scientific Committee and Executive Committee of the International Society of Ultrasound in Obstetrics and Gynecology, is a medical advisor and trustee of the UK patient group the Ectopic Pregnancy Trust, was elected president of the UK Association of Early Pregnancy Units, is a member of the UK Medical Research Council panel of experts, is a specialist advisor to the UK National Institute for Health and Clinical Excellence on pain and bleeding in early pregnancy, is on the Steering Committee of the International Ovarian Tumor Analysis and International Endometrial Tumor Analysis trials, and was a member of the Society of Radiologists in Ultrasound Consensus Panel to develop safe guidelines for the diagnosis of early pregnancy failure—just to name a few of his many appointed and elected positions.

Professor Bourne has a special interest in the management of early pregnancy complications, the use of ultrasound in the assessment of gynecologic disorders, and minimal access surgery, but his current research relates to ultrasound, biomarkers, and translational research in early pregnancy and the classification of ovarian tumors. Throughout his career, Professor Bourne has worked with medical luminaries, including Dirk Timmerman, Seth Granberg, and Jan Deprest. Professor Bourne is now the luminary from whom others are learning, which is why he has been chosen as an honorary fellow of the AIUM.
2015 AIUM Award Winners

Honorary Fellow Award

The Honorary Fellow Award bestows an honorary membership to individuals who have contributed significantly to the field of ultrasound.

Maria Cristina Chammas, MD, PhD

Maria Cristina Chammas, MD, PhD, is a native of Brazil who graduated in medicine from the Catholic University of São Paulo in 1989 and subsequently earned her master’s degree (1998) and doctorate (2002) in radiology from the Faculty of Medicine, University of São Paulo (USP) with a thesis (Ultrasound Evaluation of the Endometrium in Patients Treated With Tamoxifen) and a dissertation (Contribution of Doppler Ultrasound to the Study of Thyroid Nodules) that would presage her tremendous contributions to the field of medical ultrasound.

Dr Chammas is the director of the Department of Ultrasound, Institute of Radiology, Hospital das Clínicas, Medical School of USP, and professor of postgraduate education at the same institution. She has been the coordinator of the São Paulo Society of Ultrasound Radiology and Diagnostic Imaging since 2003 and is president of the Federation of Latin-American Societies for Ultrasound in Medicine and Biology (FLAUS) for the biennium 2013–2015. A founding member of the International Contrast Ultrasound Society, Dr Chammas is also a past coordinator of the Ultrasound Committee of the Brazilian College of Radiology and Diagnostic Imaging.

A radiologist with a broad range of interests, she focuses on ultrasound in internal medicine, ultrasound of the head and neck (thyroid, salivary gland, tongue, and lymph nodes), and the use of contrast-enhanced ultrasound to evaluate the liver, focal kidney diseases, organ transplants, the breast, and carotid arteries.

Comfortable in 4 languages, Dr Chammas is on the editorial boards of Revista da Imagem and Radiologia Brasileira and has even been a consultant for the Brazilian Journal of Veterinary Medicine and Animal Science, which aptly demonstrates the depth and breadth of her expertise. She has received dozens of commendations over the past 2 decades, ranging from numerous awards for panel presentations to multiple teaching tributes to recognition for her work as an event organizer. This is not surprising, as she has been actively involved in the planning and organizing of 19 local, national, and international conferences; has been a speaker at approximately 200 events; and has had more than 400 works published in conference proceedings.

Because of all her meeting activities, one might expect that she would have time for little else. However, for the past 10 years, Dr Chammas has served on the committee evaluating radiology resident candidates for USP and has been involved in overseeing the theses of dozens of individuals fulfilling their doctoral requirements in radiology. She has set the bar high for these medical professionals who will follow in her footsteps. A prolific writer and researcher, she has written more than 40 book chapters, published 75 journal articles, and worked on 8 books.

With everything she has undertaken in her young and ever more promising career, Dr Chammas has striven to promote the best, newest, and safest options for medical ultrasound to the broadest audience possible. Through research, publishing, and lecturing, she has reached out to educate students as well as practicing physicians in her own country and around the world. For her passion for ultrasound and for her efforts to ensure that this imaging technology has a bright and positive future, the AIUM is proud to name her an honorary fellow.
Honorary Fellow Award

The Honorary Fellow Award bestows an honorary membership to individuals who have contributed significantly to the field of ultrasound.

Michael Grace Kawooya, MBChB, MMed, PhD

Michael Grace Kawooya, MBChB, MMed, PhD, earned his bachelor of medicine and bachelor of surgery as well as his masters in medicine (radiology) from Makerere University in Kampala, Uganda. He subsequently completed a fellowship in ultrasound at Thomas Jefferson University in Philadelphia before returning home to Uganda for his PhD.

Dr Kawooya is director of the Ernest Cook Ultrasound Research and Education Institute (ECUREI) and director of the World Federation for Ultrasound in Medicine and Biology (WFUMB) Center of Excellence, both in Kampala. He is also a member of the National Advisory Committee on Medical Equipment; secretary general of the African Society of Radiology, as well as its representative to the International Commission on Radiological Quality and Safety; chair of the Mengo Hospital Research and Ethics Committee; and local country coordinator for an ultrasound training initiative of the governments of Uganda and the Netherlands called the Ontwikkelings Relevante Export Transacties or (ORET).

Dedicated to increasing the number of health professionals in Africa, Dr Kawooya is committed to ensuring that those health professionals receive the best education possible. He oversaw the accreditation of ECUREI, which enabled the institute to offer diplomas and degrees in diagnostic ultrasound, radiography, and physiotherapy (500 graduates to date under his leadership), and he was part of the team that helped establish WFUMB Centers of Excellence in Nigeria, Togo, and Ethiopia. In addition, he has led ultrasound workshops and given presentations on this safe imaging technology in more than a dozen African countries. Dr Kawooya teaches undergraduate and postgraduate students at the School of Medicine, Makerere University College of Health Sciences, where he previously headed the Department of Radiology, and has been invited to lecture on every continent except Antarctica.

A founding member and past president of the Uganda Society for Advancement of Radiology and Imaging and the Pan African Congress of Radiology and Imaging, this world-traveled physician has directed a variety of initiatives designed to enhance the availability of high-quality medical care in the rural areas of his home country, including projects designed to train midwives to perform basic obstetric ultrasound examinations and integrate ultrasound into focused antenatal care skills, as well as a program to ensure that medical equipment in rural areas is maintained and repaired.

The author of 3 book chapters and 45 journal articles, Dr Kawooya was also on the panel that wrote the Ugandan National Medical Equipment Policy and is working on Referral Guidelines for Diagnostic Imaging—a joint publication of the International Radiation Quality Network and the World Health Organization.

A member of the editorial board of Ultrasound—a journal of the British Ultrasound Society—and associate editor of African Health Sciences, this education-driven medical professional has mentored and supervised more than 30 postgraduate students undertaking the master of medicine degree at Makerere University, has served on the WFUMB Education Committee, and has been an external examiner for Kilimanjaro Christian Medical College in Moshi, Tanzania, the University of Nairobi, and Muhimbili University in Dar es Salaam, Tanzania. A member of 6 national and international professional imaging societies and former vice president of the Mediterranean and African Society for Ultrasound, Dr Kawooya is a man who has shared his knowledge on a global basis but who has also used his many talents and extensive expertise on a local basis, which can and will have a tremendous impact on the health and welfare of his fellow citizens.

For these efforts, the AIUM is proud to designate him as an honorary fellow.
Honorary Fellow Award

The Honorary Fellow Award bestows an honorary membership to individuals who have contributed significantly to the field of ultrasound.

Christian Pálsson Nolsøe, MD, PhD

Christian Pálsson Nolsøe, MD, PhD, is a board-certified radiologist who received his medical degree, as well as his doctorate, from the University of Copenhagen, where he is now an associate professor at its Centre for Clinical Education, as well as consultant, Ultrasound Section, Division of Surgery, Department of Gastroenterology, Herlev Hospital. He is also the owner of Ultrasound & X-Ray (a private practice) in Copenhagen.

Currently vice president 1 of the World Federation for Ultrasound in Medicine and Biology (WFUMB), Dr Nolsøe is vice chair of the Scientific Program Committee for the WFUMB/AIUM 2015 Annual Convention. He has been an organizer for more than 5 international scientific congresses on interventional and diagnostic ultrasound, as well as organizer and codirector for 16 courses throughout Scandinavia on Doppler ultrasound, interventional nonvascular radiology, and advanced ultrasound technology. Dr Nolsøe served as president of Euroson 2010, the 22nd Congress of the European Federation of Societies for Ultrasound in Medicine and Biology (EFSUMB), as well as vice president of Euroson 2003—both of which were held in Denmark. He also served as copresident of WFUMB Congress 2011, held in conjunction with Euroson 2011, in Vienna, Austria, and was secretary of WFUMB 1991 in Copenhagen.

With his 30+ years of experience in medical school teaching and postgraduate lecturing, it is not surprising that Dr Nolsøe has been invited to give more than 250 lectures and scientific presentations throughout Europe, the United States, Australia, the Middle East, Africa, and South America—including the Hans Henrik Holm Honorary Lecture in Croatia in 2004. Nor is it surprising that he has been a popular tutor and examiner for students working on their doctoral dissertations at both the University of Copenhagen in Denmark and the University of Bergen in Norway. In the mid 1990s, Dr Nolsøe was a visiting professor and director of the Ultrasound Section at the University of Texas Medical Branch in Galveston, as well as codirector of the Ultrasound Research Laboratory. He later served as associate professor (external senior researcher) in the Department of Circulation and Medical Imaging, Norwegian University of Science and Technology, in Trondheim.

A member of 7 scientific societies, Dr Nolsøe is a past president of the Danish Society for Diagnostic Ultrasound (2004–2008) and EFSUMB (2009–2011), in addition to being an honorary member of the Australasian Society for Ultrasound in Medicine since 2006.

He is a reviewer for numerous ultrasound journals, and is on the editorial boards of the European Journal of Ultrasound (Ultraschall in der Medizin), Ultrasound in Medicine and Biology, and Ultrasonography—the official English-language journal of the Korean Society of Ultrasound in Medicine.

He was a recent recipient of a $1.25 million grant from the A. P. Møller and Chastine McKinney Møller Foundation for research with regard to NanoKnife ablation of pancreatic cancer, and results from his prior research can be found in more than 65 articles published in national and international medical journals. Dr Nolsøe has also written 5 medical textbook chapters and been involved in the creation of 4 scientific films.

This proud father of 3 and grandfather of 4 has spent 3 decades devoted to the scientific study of medical ultrasound and the promotion of its safe clinical implementation throughout the world. We know that this new AIUM honorary fellow will continue to make contributions that will enhance lives.
Memorial Hall of Fame

Established in 1981, the Memorial Hall of Fame serves as a posthumous tribute to a creative and devoted physician, research scientist, or other individual who has been an active member of the AIUM and contributed to the field of ultrasound in medicine.

Floyd Dunn, PhD

On January 24, 2015, the field of ultrasound lost a true visionary. Floyd Dunn, PhD died at the age of 90 years, just 30 days after the death of his wife, Elsa, to whom he had been married for 64 years.

Born in Kansas to Russian immigrants, Dr Dunn earned his bachelor’s and master’s degrees, as well as his doctorate, from the University of Illinois—an institution he would call home for the next half century. It was a research assistantship with the legendary Professor William J. Fry while in graduate school that would spark his interest in ultrasound. More than 35 years ago, Dr Dunn wrote a letter to another legendary figure in ultrasound, Joseph H. Holmes, MD, who had asked him for information regarding a possible exhibit at the Smithsonian Institution. Dr Dunn wrote that as director of the Bioacoustics Research Laboratory—a post he would hold for 2 decades—he promoted the “5 crucial kinds of problems vitally important for safe and efficacious clinical diagnostic ultrasound, viz, experimental determination of the ultrasonic propagation properties of living systems, investigation of the physical mechanisms of interaction of ultrasound and living systems, studying ultrasonic toxicity, exploring methods for ultrasound dosimetry, and developing ultrasound instrumentation.” He noted at the same time that it was his belief that “ultrasound will continue to increase in its importance in the lives of all in developed countries” and that “it is essential to improve continually, methodologies to make ultrasound ever more efficacious for its diagnostic and therapeutic uses.” He was so right, and so far ahead of his time.

While at the University of Illinois, Dr Dunn held appointments as professor of electrical and computer engineering, professor of bioengineering, and professor of biophysics. He mentored generations of students, many of whom would precede him into retirement, and would teach and lead research not only in the United States but also in the United Kingdom, Japan, and China. Dr Dunn served on several committees of the US Food and Drug Administration and the National Institutes of Health, and his research leadership would make way for the commercial development of the ultrasonic microscope, a wide variety of measurement tools, and ultrasound imaging for prenatal sonograms.

Dr Dunn attended his first AIUM meeting in 1957 when he drove across the country to Los Angeles with Professor Fry. It was the beginning of his commitment to the AIUM and to many other professional societies. Past president of the Acoustical Society of America (ASA)—which would present him with the ASA Gold and Silver Medals—he was also the recipient of the Edison Medal from the Institute of Electrical and Electronics Engineers, as well as the Joseph P. Holmes Basic Science Pioneer Award and the William J. Fry Memorial Lecture Award from the AIUM.

A veteran of the Battle of the Ardennes during World War II, Dr Dunn was an avid reader and James Joyce scholar. He was a tireless worker even during retirement, when he still contributed to the work of his colleagues, edited peer-reviewed articles, held an appointment at the University of Arizona, and consulted with private ultrasound companies. Dr Dunn excelled at all he did. The world is better because he chose ultrasound as his passion; the world is worse because he is gone.
Memorial Hall of Fame

Established in 1981, the Memorial Hall of Fame serves as a posthumous tribute to a creative and devoted physician, research scientist, or other individual who has been an active member of the AIUM and contributed to the field of ultrasound in medicine.

Hector Lopez, DSc

It was with great sadness that the AIUM learned of the passing of one of its long-term members who had maintained a strong commitment to improving the safety and effectiveness of diagnostic and therapeutic ultrasound throughout his illustrious career.

Hector Lopez, DSc, earned his bachelor’s degree in physics from the University of Texas, followed by a master’s degree in biomedical engineering at the University of Virginia, and a doctor of science in medical engineering from George Washington University. He served in the US Air Force as a nuclear medicine specialist before beginning his professional career as a radiologic physics consultant for Physics Control, Inc, followed soon by a move to the US Public Health Service, where he was assigned to the Food and Drug Administration, Centers for Devices and Radiological Health. First as a medical radiation specialist and then as a regulatory research officer, his achievements included writing an ultrasound quality assurance manual that was in use for more than 14 years and that was adopted by the US Army for training technical personnel; creating ultrasound measurement and grayscale analysis tools; patenting a contrast detail phantom that allowed users to conduct quantitative performance evaluations of ultrasound imaging devices; designing the Computational Observer, a unique computer-based method for measuring ultrasound image quality; and investigating mechanisms for ultrasound interactions in clinical applications, including contrast agent fragility, detection of silicone leaks from breast implants, and the use of high-frequency ultrasound to measure damage to skin by ultraviolet radiation—and these represent only a handful of his many projects and undertakings.

Dr Lopez retired from the US Public Health Service with the rank of captain in 2003 because of the 30-year mandatory retirement rule. After contributing so much for so long, most professionals would choose to bow out gracefully and rest on their laurels, but Dr Lopez had much more to give to the field of medical ultrasound. He became a biomedical engineering consultant before serving as a scientific review administrator for the National Institutes of Health Center for Scientific Review and then became program director for the National Institute for Biomedical Imaging and Bioengineering (NIBIB). He conducted reviews of small-business innovation research grants, fellowship grants, shared instrumentation grants, and innovative research grants and supervised portfolios in ultrasound research and radiographic imaging systems.

An author of more than 50 published papers and standards, this multilingual scientist shared his time and expertise with professional associations, including the American Association of Physicists in Medicine, the International Electrotechnical Commission, and the AIUM, for which he was chair of the Technical Standards Committee and the Digital Image Standards Subcommittee, as well as a member of the Education Committee and subcommittees on Doppler, nomenclature, and scanner equivalence testing.

Throughout his career, Dr Lopez has been recognized by his employers and colleagues for his work and his commitment, beginning with an Air Force Commendation Medal in 1974 through more than a dozen other honors that cite him for his “outstanding contributions,” “exceptional leadership,” and “exemplary performance” in science and imaging.

Dr Lopez had set goals for himself for 2014, including collaborating with NIBIB Web media staff to produce 6 short videos on different types of ultrasound; presenting a course on the basics of diagnostic and therapeutic ultrasound physics for NIBIB staff, and conducting a workshop to explore new research areas in ultrasound therapy. Sadly, Dr Lopez did not get to complete his 2014 goals as he died unexpectedly on June 21, 2014.

We don’t envy those who will be assigned to complete his tasks, as it will be daunting to follow in the footsteps of a man such as Dr Lopez. The world has lost a peerless scientist; his family has lost a much beloved member; and the AIUM has lost a visionary who still had so much more to offer the medical ultrasound community.
Memorial Recognition

Established in 2002, Memorial Recognition serves as a posthumous tribute to a creative and devoted physician, research scientist, or other member or nonmember who has contributed to the field of ultrasound in medicine. The honoree is recognized at the Opening Session during the AIUM Annual Convention.

Andrew Helfgott, MD, MHA, CPE

On September 7, 2014, the AIUM lost a much-valued member. More importantly, patients lost an exemplary clinician. And most importantly, the family of Andrew Helfgott, MD, MHA, CPE, lost a much-loved son, husband, sibling, and father.

Dr Helfgott earned his bachelor’s degree in biology from the Washington & Jefferson College in Pennsylvania and his medical degree from the Universidad Autónoma de Guadalajara in Mexico. He completed his residency in obstetrics and gynecology at what was then the Caledonian Hospital, now the Brooklyn Hospital Center, in New York, before heading south to complete a fellowship in maternal-fetal medicine at the Leonard M. Miller School of Medicine, University of Miami. Committed to education and enhancing his skills, Dr Helfgott earned a master’s degree in health policy and administration from the University of North Carolina at Chapel Hill and the designation certified physician executive (CPE) from the American Association for Physician Leadership.

His passion for caring for the underserved—with a focus on perinatal human immunodeficiency virus—would begin when he joined the University of Texas Health Science Center in Houston as an assistant professor. While there, Dr Helfgott founded and served as director of the Women’s Immunology Center, in addition to being the principal investigator for a Pediatric AIDS Clinical Trials Group and a Women’s and Infants Transmission Study. He moved to Pensacola in northwest Florida in the late 1990s, where he became the medical director of the Regional Perinatal Center of the Sacred Heart Health System and a clinical associate professor in the Department of Obstetrics and Gynecology, University of Florida. While in Pensacola, he received the National Award for Teaching Excellence for his commitment to resident education from the Council on Resident Education in Obstetrics and Gynecology of the American College of Obstetricians and Gynecologists (ACOG).

Named professor and chief of the Section of Maternal-Fetal Medicine, Medical College of Georgia, in 2005, he returned to Florida in 2011 to join All Children’s Perinatology Specialists in St Petersburg. Focusing on prenatal diagnosis, ultrasound, and high-risk obstetric care, Dr Helfgott subsequently moved to the University of South Carolina School of Medicine as professor and director of maternal-fetal medicine in March 2013; 18 months later, he succumbed to complications related to pancreatic cancer, but not without putting up a great fight.

An outgoing and gregarious individual, Dr Helfgott was a tireless worker who was a member of multiple professional societies, including ACOG, Alpha Omega Alpha, the International Society of Ultrasound in Obstetrics, and the Society for Maternal-Fetal Medicine (SMFM). But he didn’t just pay his membership dues; he was a committed and active member. For the AIUM, he was a member of the Public Education and Resource Committee and the Current Procedural Terminology Coding Committee. He chaired this same committee for the SMFM, where he also served on the Board of Directors until his too-early death, as well as being very involved on the SMFM Scientific Program Committee, serving as scientific forum chair in 2012, postgraduate course chair in 2013, poster chair in 2014, and scientific program chair in 2015. This religious man, who was devoted to his family and dedicated to high-quality patient care, would not live to attend the 2015 annual conventions of the organizations he served so well, but his legacy of caring and hard work will not be forgotten and will serve as an example for others to emulate.