2016 AIUM Award Winners

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.

Dirk Timmerman, MD, PhD, FRCOG

The AIUM’s most prestigious award—the William J. Fry Memorial Lecture Award—is rightly presented this year to a most prestigious physician. Dirk Timmerman, MD, PhD, FRCOG, a native of Belgium, is a full professor in obstetrics and gynecology at the University of Leuven (known commonly as KU Leuven) and clinical head of benign gynecology and gynecological ultrasound at the University Hospitals Leuven. He graduated from medical school (summa cum laude) in 1989 and subsequently served as registrar in obstetrics and gynecology at Watford General Hospital in the United Kingdom and University Hospitals Leuven until he became a specialist and consultant in obstetrics and gynecology at the University Hospitals Leuven.

Not content with just a medical degree, Dr Timmerman defended his doctoral thesis in 1997, titled “Ultrasonography in the Assessment of Ovarian and Tamoxifen-Associated Endometrial Pathology.” Thus, he continued his impressive career in gynecologic ultrasound, early pregnancy and miscarriage, and the detection and staging of gynecologic cancers—and women across the globe are significantly better for his commitment.

Dr Timmerman is founder and coordinator of the International Ovarian Tumor Analysis Group, whose aims include the development of new algorithms to detect ovarian cancer, as well as optimal care of patients with adnexal tumors. There are currently 40+ centers throughout the world that are part of this collaborative effort, which has the potential to have such a positive impact on so many women from all strata and from all geographic locations.

His service as past editor of Ultrasound in Obstetrics and Gynecology and reviewer for 20 international journals are just small indications of his interest in imparting the latest and best information to all clinicians. In 2012, his nomination was approved to the International Advisory Board of The Obstetrician & Gynaecologist (TOG), which is the journal for continuing professional development of the Royal College of Obstetricians and Gynaecologists (RCOG), and in 2013, he became an associate editor of TOG. In addition, Dr Timmerman has coauthored more than 300 journal articles and been a presenter 400+ times at international meetings.

A board member of the International Society of Ultrasound in Obstetrics and Gynecology (ISUOG) for multiple terms, Dr Timmerman has also been a member of ISUOG’s Scientific Committee since 2013. He is a member of the Medical Council of UZ Leuven, former chair of the Clinical Research Fund of the University Hospitals Leuven, president of the Flanders Ultrasound Society, and senior clinical investigator of the Scientific Research Fund Flanders, which partly releases him from clinical duties to perform more clinical research.

In 2014, Dr Timmerman was awarded the InBev Baillet-Latour Prize for Clinical Research by Her Majesty the Queen of the Belgians at the Royal Academy of Medicine for his multicenter study of computer models for diagnosis of ovarian tumors, work that has already changed international clinical guidelines. Also in 2014, RCOG bestowed on him the status of Fellow ad eundem, which is awarded to individuals who have demonstrated, through research or clinical commitment, major contributions to obstetrics, gynecology, or reproductive health, have contributed to the advancement of the science or practice of obstetrics and gynecology in a substantial way, and are of an extremely high scientific caliber. We think RCOG has described Dr Timmerman to a T.

Lecture Topic: Tips and Tricks of Successful Ultrasound Studies

This lecture will cover lessons learned from 20 years of clinical research in gynecologic ultrasound ranging from assessment of ovarian tumors and uterine pathology to complications in early pregnancy.
Michael Kolios, PhD

In 1997, Michael Kolios, PhD, was an assistant professor in the Department of Mathematics, Physics, and Computer Science at Ryerson University in Toronto, Canada. From day 1, Ryerson University realized what an incredible asset Dr Kolios was and has never let him go. Today he is a tenured professor in the Department of Physics and associate dean of research and graduate studies, Faculty of Science, as well as an affiliate scientist at St Michael’s Hospital in Toronto. Dr Kolios earned his bachelor’s degree in physics from the University of Waterloo, followed by master’s and doctoral degrees at the University of Toronto, Department of Medical Biophysics.

He has been winning awards since his undergraduate days, and as a faculty member receiving the Ontario Premiers’ Early Researcher Award and a Canada Research Chair in Biomedical Applications of Ultrasound. His most recent award is the Sarwan Sahota Distinguished Scholar Award, which is presented to faculty who have made an outstanding contribution to knowledge in their area of expertise, and there certainly could not have been a more deserving candidate. With 5 patents and another 3 provisional patents to his name, Dr Kolios—whose calendar age puts him in the toddler category in comparison to other professional researchers—is taking the ultrasound science world by storm and setting an example that will be difficult for his juniors to achieve and for his seniors to match.

One of the many attributes that sets Dr Kolios apart is his commitment to education at all levels. He has supervised a total of 16 doctoral candidates, as well as 29 master-of-science students, which would keep most people busy enough, but Dr Kolios has also supervised a dozen undergraduate students and 25 research assistants and has been involved in promoting science among high school students through programs such as the Sanofi-Aventis BioTalent Challenge, the Dragon Academy Scientists-in-Action program, and Ryerson’s Research Opportunity Program in Engineering. There is no doubt that due to his exceptional tutelage, the people whom he has taken under his wing will be making significant contributions to medical ultrasound in the future—a legacy that anyone would envy.

A reviewer for more than 15 scholarly journals, Dr Kolios is on the editorial boards of Ultrasonic Imaging and Photoacoustics and has served as an abstract reviewer for more than 10 professional conferences. He regularly reviews for the Canadian Institutes of Health Research and is a charter member of the National Institutes of Health Biomedical Imaging Technology Study Section. Recognized for his exceptional research skills, he has served as project leader, principal investigator, or co-investigator on close to 80 projects with the potential for a significant impact on technology, cancer, bioengineering, and health care. Dr Kolios has 5 book chapters to his name, has published 80 articles in peer-reviewed journals, has 100+ papers in national and international conference proceedings, and has presented 150+ papers or abstracts at conferences throughout Canada, the United States, and Europe.

He has been an active member of the AIUM’s Bioeffects Committee and twice chair of the AIUM’s High-Frequency Clinical and Preclinical Imaging Community, as well as a long-term member of the Institute of Electrical and Electronics Engineers International Ultrasound Symposium Technical Program Committee, to name just a few of his leadership positions.

Dr Joseph Holmes was certainly innovative and a pioneer, but he probably never imagined in his wildest dreams how far someone like Dr Kolios would advance the science of ultrasound and how he would set the stage for future pioneers.

2016 AIUM Award Winners

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 Ultrasonound, for nearly 10 years. Each year, the Joseph H. Holmes Pioneer Award honors 2 current or retired members: 1 in clinical science and the other in basic science.

Michael Kolios, PhD

In 1997, Michael Kolios, PhD, was an assistant professor in the Department of Mathematics, Physics, and Computer Science at Ryerson University in Toronto, Canada. From day 1, Ryerson University realized what an incredible asset Dr Kolios was and has never let him go. Today he is a tenured professor in the Department of Physics and associate dean of research and graduate studies, Faculty of Science, as well as an affiliate scientist at St Michael’s Hospital in Toronto. Dr Kolios earned his bachelor’s degree in physics from the University of Waterloo, followed by master’s and doctoral degrees at the University of Toronto, Department of Medical Biophysics.

He has been winning awards since his undergraduate days, and as a faculty member receiving the Ontario Premiers’ Early Researcher Award and a Canada Research Chair in Biomedical Applications of Ultrasound. His most recent award is the Sarwan Sahota Distinguished Scholar Award, which is presented to faculty who have made an outstanding contribution to knowledge in their area of expertise, and there certainly could not have been a more deserving candidate. With 5 patents and another 3 provisional patents to his name, Dr Kolios—whose calendar age puts him in the toddler category in comparison to other professional researchers—is taking the ultrasound science world by storm and setting an example that will be difficult for his juniors to achieve and for his seniors to match.

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Dr Joseph Holmes was certainly innovative and a pioneer, but he probably never imagined in his wildest dreams how far someone like Dr Kolios would advance the science of ultrasound and how he would set the stage for future pioneers.
2016 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 current or retired members: 1 in clinical science and the other in basic science.

Alfred Abuhamad, MD, FAIUM

Physician, educator, inventor, and humanitarian—Alfred Abuhamad, MD, FAIUM, is not a man who can be described with just one word. A graduate of the American University of Beirut Medical School in Lebanon, he interned and completed his residency in obstetrics and gynecology at the University of Miami School of Medicine, followed by a fellowship at the same institution and another fellowship in ultrasound and prenatal diagnosis at Yale University. His exceptional expertise in ultrasound resulted in his appointment in 1992 as the director of ultrasonography at the Eastern Virginia Medical School, where he has remained ever since. Currently, he is the vice dean for clinical affairs, chair of the Department of Obstetrics and Gynecology, professor of radiology, and the Mason C. Andrews professor of obstetrics and gynecology.

Dr Abuhamad’s innovation and creativity have resulted in 3 patents (system, method, and medium for acquiring and generating standardized operator-independent ultrasound images of fetal, neonatal, and adult organs; a cerclage suture removal device; and a compression balloon belt for postpartum hemorrhage). This same vision for improving diagnosis and treatment of pregnant women has resulted in 160+ abstracts, which is just a small reflection of his tireless research efforts and his commitment to educating his fellow clinicians and ensuring superb-quality health care.

Currently associate editor in obstetrics for the Journal of Ultrasound in Medicine, Dr Abuhamad has served on the editorial boards of 3 other journals and is a reviewer for 11 other prestigious medical journals from the New England Journal of Medicine to Lancet. A prolific author, he has 5 books to his name (including Ultrasound in Obstetrics and Gynecology: A Practical Approach, an e-book with free open access), 31 book chapters, and more than 156 articles in peer-reviewed journals. Dr Abuhamad is also the recipient of a National Institutes of Health (NIH) R01 grant award for the application of novel ultrasound techniques in the study of the human placenta in early gestations—part of the NIH Human Placenta Project.

Because of his desire to promote the proper use of ultrasound not only within his specialty but among all clinicians, Dr Abuhamad was instrumental in the establishment of 2013 as the Year of Ultrasound. It was under his leadership as AIUM president that the Ultrasound First initiative began, which included an Ultrasound First Forum that addressed the expanding role of ultrasound imaging as a "first" imaging examination, as well as the creation of an ongoing series of Sound Judgment clinical vignettes in the Journal of Ultrasound in Medicine. Active in many professional societies, Dr Abuhamad has also served as president of the Maternal-Fetal Medicine Foundation and the Society of Ultrasound in Medical Education.

It is not surprising that a physician of the caliber of Dr Abuhamad has earned numerous awards, ranging from a National Faculty Award for Excellence in Resident Teaching to a Presidential Recognition Award to a Dean’s Outstanding Faculty Award. But, he has also been recognized 8 separate times as one of the Best Doctors in America; Hampton Roads Magazine has named him a Top Doctor every year since 2003; and he has twice received the Healthcare Hero’s Award. A hero to many of his patients, Dr Abuhamad is selfless in his concern for others. Through the International Society of Ultrasound in Obstetrics and Gynecology, for which he chairs the Outreach Committee, Dr Abuhamad has engaged in 7 outreach humanitarian trips to Haiti, Ghana, and Somalia.

Yes, Dr Abuhamad is a skilled physician, a consummate educator, an ingenious inventor, a humble humanitarian—and, indeed, a true clinical pioneer.
John Christian Fox, MD, RDMS, FACEP, FAAEM, FAIUM, has done a lot of traveling in his educational journey. Born on the East Coast, he earned his bachelor’s degree on the West Coast at the University of California (UC), Irvine, and then traveled back across the continent to obtain his medical degree at Tufts University. He returned to the West Coast to complete his residency in emergency medicine but then tarried in the Midwest for his fellowship at the University of Illinois, Chicago, before completing his journey back on the West Coast at the UC Irvine Medical Center, where he is professor of clinical emergency medicine, vice chair of academic affairs, emergency ultrasound fellowship director, and assistant dean of student affairs. Not one to let moss grow under his feet, Dr Fox is also an adjunct professor at the University of New England, Armidale, Australia, as well as at the University of Santo Tomas, Manila, Philippines.

Dr Fox’s passion for ultrasound education has had, and will continue to have for the foreseeable future, a profound impact on medical students, practicing clinicians (especially emergency medicine specialists), and, ultimately, patients, who are receiving better, more comprehensive, and less expensive care. During the past 15 years, Dr Fox has received $1.6 million in grants for ultrasound instruction with an emphasis on medical students, international ultrasound teaching, a curriculum for bedside ultrasound training, and faculty development—all of which will have many long-term benefits.

With his commitment to medical education, it is not surprising that Dr Fox has written 66 peer-reviewed articles, close to 3 dozen books chapters, and 3 exceptional textbooks, but he has also created 10 multimedia (DVD) publications, been invited to give 40+ presentations at educational institutions, been a guest speaker 200 times in 37 different states, and lectured another 200 times at professional meetings, not to mention the abstracts he has presented or the lectures he has given to medical students at the UC Irvine School of Medicine.

But it is not the number of papers or professional appearances that is important, it is the subject matter, the quality of the presentations, and the superior hands-on instruction from physics and knobology to cost-effective imaging and critical decision making that resonates. His teaching skill is reflected in the 2 dozen honors and awards he has received for Medical Student Faculty Teaching, Emergency Ultrasound Teaching, Academic Excellence, Outstanding Faculty Service, Excellence in Teaching, and Emergency Ultrasound Educator of the Year, just to name a few. And let us not forget his exceptional TEDxUCIrvine presentation “Point of Care Revolution: Ultrasound” in 2015.

One would not think that Dr Fox would have time for much else, but like many emergency physicians, he thrives under pressure and handles multitasking with ease. For the AIUM alone, he has served on the Finance Committee, Web Development Committee (vice chair), Clinical Standards Committee, Membership Committee, Clinical Content Task Force, Annual Convention Committee, and Emergency Section (cochair), but he is also an active member of 9 societies, having served in various roles from chair of the Ultrasound Multimedia Task Force of the Society of Critical Care Medicine to panelist for the Early First-Trimester Sonography Guideline Consensus Panel of the Society of Radiologists in Ultrasound. In addition to his membership on numerous committees for UC Irvine, Dr Fox served for 10 years as faculty advisor for the Flying Samaritans UCI, supervising undergraduate students, medical students, and postgraduate residents at a free medical clinic in El Testerozo, Baja California; since 1989, Dr Fox has made 115 trips!

Dr Peter H. Arger is known for his intense concern for patients, his powerful commitment to medical teaching, and his strong belief in outstanding ultrasound education, and Dr Fox mirrors those values and traits, which makes him the ideal recipient of this award.
If individuals thinking about careers in sonography wondered what heights they could achieve, they would need look no further than the curriculum vitae of Daniel A. Merton, BS, RDMS, FSDMS, FAIUM. Currently a senior project officer for the Health Devices Group at ECRI Institute in Pennsylvania, Mr. Merton learned that ultrasound was used for diagnostic medical applications during his service in the US Navy when he served as a sonar technician. After receiving an associate degree in biology/zoology (with honors) at the State University of New York, he transferred to Thomas Jefferson University where he earned his bachelor of science degree in diagnostic imaging (cum laude) in 1988, and that was the start of his meteoric rise.

After graduating, he became a staff sonographer at Thomas Jefferson University Hospital, and 3 years later, became a research sonographer. In 1993, Mr. Merton was hired as the technical coordinator of research for the Jefferson Ultrasound Research and Education Institute (JUREI). His attention to detail, in-depth knowledge of ultrasound, excellent writing skills, and commitment to research made him the ideal professional for this position. Many sonographers are asked to be part of a research grant or two, but few have been involved in more than 30 grant-funded activities as has Mr. Merton, including support from the National Institutes of Health, the US Agency for International Development, and numerous pharmaceutical and medical device companies.

Coauthor of the book *An Atlas of Ultrasound Color Flow Imaging* with Barry Goldberg, MD, Mr Merton has also penned 20 book chapters. In addition, he has authored or co-authored more than 100 articles in peer-reviewed journals—a claim to fame that not many clinicians or ultrasound researchers have achieved—as well as another 80 articles online and in trade magazines. It is, therefore, not surprising that he has received the Kenneth R. Gottesfeld Award from the Society of Diagnostic Medical Sonography (SDMS) 3 times; this award recognizes sonographer authors for the publication of outstanding research. Throughout his career, Mr Merton has regularly been recognized for his achievements ranging from an Alumni Special Achievement Award from the Jefferson College of Health Professions, to a Presidential Recognition Award from the AIUM, to a Telly Award for “Ultrasound: New Advancements,” and recognition from CIVCO, DuPont Pharmaceuticals, and Medison—just to name a few of his honors.

Both sonographers and sonologists have benefited from his high-level of expertise and superb teaching skills, as Mr Merton has been invited to lecture at nearly 200 local, national, and international imaging society meetings. Mr. Merton has provided many lectures as a clinical instructor for JUREI and has presented more than 200 scientific abstracts. Moreover, he has been a coauthor on 55 scientific posters and exhibits, many of which have received first-, second-, and third-place honors, certificates of merit, and honorable mentions.

He's a writer, a researcher, an educator, and a sonographer (oh, and a husband and father of 2 boys), so it's hard to imagine that Dan would have time for anything else. However, he cares deeply about promoting exceptional ultrasound practice and ensuring that all sonographers have the requisite skills to ensure superb patient care through education and credentialing. Thus, he has been an active member of the SDMS, the American Registry for Diagnostic Medical Sonography (ARDMS), and the AIUM, serving on countless committees and task forces, as well as the editorial board of both the AIUM's and the SDMS's journals, and the board of governors for both the AIUM and the ARDMS. He is the current treasurer of Inteleos—the parent organization of the ARDMS. “Distinguished Sonographer” is an understatement when it comes to Mr Merton.

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**2016 AIUM Award Winners**

**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.

**Daniel A. Merton, BS, RDMS, FSDMS, FAIUM**

If individuals thinking about careers in sonography wondered what heights they could achieve, they would need look no further than the curriculum vitae of Daniel A. Merton, BS, RDMS, FSDMS, FAIUM. Currently a senior project officer for the Health Devices Group at ECRI Institute in Pennsylvania, Mr. Merton learned that ultrasound was used for diagnostic medical applications during his service in the US Navy when he served as a sonar technician. After receiving an associate degree in biology/zoology (with honors) at the State University of New York, he transferred to Thomas Jefferson University where he earned his bachelor of science degree in diagnostic imaging (cum laude) in 1988, and that was the start of his meteoric rise.

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

Aris T. Papageorghiou, MD, FRCOG

Aris T. Papageorghiou, MD, FRCOG, is professor in fetal medicine and obstetrics at St George’s Healthcare NHS Trust in London and associate professor of fetal medicine at the Nuffield Department of Obstetrics and Gynaecology, University of Oxford. He earned his medical degree at the University of Sheffield and completed his doctoral thesis at the University of London—while he was a research fellow at the Harris Birthright Research Centre for Fetal Medicine—on the prediction of preeclampsia using uterine artery Doppler ultrasound (the largest study on this topic to date).

Dr Papageorghiou subsequently completed specialist training in obstetrics and gynecology and subspecialist training in maternal-fetal medicine while serving as a lecturer at St George’s, University of London. An internationally recognized expert in fetal diagnosis and therapy, Dr Papageorghiou has also developed a keen interest in medical statistics, which has served him well in his work on large population-based studies (eg, the characterization of normal and abnormal fetal and neonatal growth in relation to maternal and fetal nutritional status) and international multicenter research endeavors (eg, INTERGROWTH-21st and INTERBIO-21st). He is engaged in active research collaborations with Liverpool University, Cambridge University, University of London, University of Oxford, and the Shoklo Malaria Research Unit in Thailand and is beginning work on a proposed project on the introduction of fetal growth standards and tools for phenotypic characterization.

Committed to education and having a love of teaching, he has trained sonologists across the globe, served as an advisor to 6 postgraduate students, teaches in the MBBS program at St George’s, and been a trainer and examiner for the MRCOG (membership examination of the Royal College of Obstetricians and Gynaecologists). In addition to authoring several book chapters and serving as coeditor of a major textbook on obstetrics and gynecology and coauthor of *Obstetric Ultrasound: A Problem-Based Approach*, Dr Papageorghiou has penned close to 200 journal articles.

Fluent in English, Greek, and German, with good knowledge of Spanish, it is not surprising that Dr Papageorghiou has a passion for providing ultrasound to underserved communities worldwide. As part of his fetal growth studies, he has shown that it is possible to train local workers with little health training to obtain accurate fetal measurements using ultrasound, which has the potential to reduce maternal and perinatal mortality and morbidity.

An avid reader and amateur photographer with interests in contemporary art, modernist architecture, and scuba diving, Dr Papageorghiou—with his dedication to research, teaching, and global ultrasound—has set the bar high for other physicians. The AIUM is delighted to welcome him to the organization as an honorary fellow.
2016 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.

Paul Sidhu, BSc, MBBS, MRCP, FRCR

Paul Sidhu, BSc, MBBS, MRCP, FRCR, is the fifth individual from King's College London to be designated as an AIUM honorary fellow. This says volumes about the ultrasound expertise associated with King's, as well as being a reflection of the exemplary skills and proficiency that Dr Sidhu brings to the world of medical ultrasound. Currently professor of imaging sciences and consultant radiologist at King's College London, Dr Sidhu has excelled in both academia and athletics since his undergraduate days—not necessarily a common combination among physicians. His list of postgraduate awards and prizes consumes 4 single-spaced pages printed in a font size that would be an optician's dream. They include a magnum cum laude and a cum laude scientific exhibition award from the European Association of Radiologists, as well as a cum laude award and 4 certificates of merit for his poster presentations for the Radiological Society of North America.

Dr Sidhu is the author of more than 200 peer-reviewed papers, 52 book chapters, and 5 books. Authors that prolific rarely have time to do little else, but Dr Sidhu has served as past president of the British Medical Ultrasound Society and of the Section of Radiology of the Royal Society of Medicine and is currently the president-elect of the European Federation of Societies for Ultrasound in Medicine and Biology. In addition, he is an active member of 13 professional radiology associations, serving for many in the capacity of committee chair or member, as well as officer—just a small indication of his commitment to staying current in all aspects of his field with the goal of providing superlative patient care.

Currently editor of the European Journal of Ultrasound (Ultraschall in der Medizin), Dr Sidhu is a past deputy editor of the British Journal of Radiology, has been a member of the editorial boards of 10 medical journals, and has served as guest editor for 2 imaging journals. It should come as no surprise that he received an Editor's Recognition Award 5 years in a row from Radiology for his high-quality, prompt, detailed, and scholarly reviews.

Dr Sidhu will humbly claim to have given approximately 300 lectures, but if you study his curriculum vitae, you will see that the number of invited workshops, lectures, and presentations is nearing the 600 mark, and these include talks presented throughout Europe and North America, as well as in Australia, Asia, the Middle East, and Egypt.

Recognized as a world authority on the application of contrast-enhanced ultrasound in clinical practice, Dr Sidhu is an expert in male health, liver transplantation, and vascular interventional radiology. Through all his work—publishing, lecturing, and clinical practice—he has continually demonstrated his dedication to the highest quality medical standards. His patients, his colleagues, his readers, and his attendees receive only the best. Dr Sidhu is the quintessential ultrasound professional. The AIUM is proud to have him as an honorary fellow.
2016 AIUM Award Winners

Memorial Recognition

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

Anna S. Lev-Toaff, MD, FAIUM, FACR, FSRU

It was with great sadness that the AIUM learned of the too-early death of Anna S. Lev-Toaff, MD, FAIUM, FACR, on April 3, 2015, at only 60 years of age due to complications secondary to multiple myeloma. This distinguished clinician and respected researcher received her bachelor’s degree in biology and her medical degree from New York University. She subsequently trained in surgery at Pennsylvania Hospital in Philadelphia and Tel Aviv University in Israel before completing her radiology residency at the Thomas Jefferson University Hospital in Philadelphia, followed by an abdominal imaging fellowship at the Hospital of the University of Pennsylvania.

From 1985–1986, Dr Lev-Toaff was a radiology instructor at the Perelman School of Medicine at the University of Pennsylvania, an institution she would return to in 2008 as a professor of radiology and a member of the Clinical Practices of the University of Pennsylvania and where she would teach and practice until 2014. In between her stints at the University of Pennsylvania, she served on the faculty at Temple University from 1986–1990 and for 18 years at Thomas Jefferson University.

Coeditor of the textbook Clinical Pelvic Imaging: CT, Ultrasound and MRI, Dr Lev-Toaff’s research interests centered around ultrasound contrast agents, 3-dimensional ultrasound, and virtual colonoscopy. This accomplished radiologist and academic focused her considerable clinical expertise on interventional ultrasound (ultrasound-guided biopsy), sonohysterography, virtual colonoscopy, abdominal/pelvic computed tomography and diagnostic ultrasound, 3-dimensional ultrasound, and gastrointestinal radiology. Her death is a loss to so many patients—people whom she cared about deeply.

A prolific author, Dr Lev-Toaff published 75 journal papers and more than 100 abstracts. Because of the respect for her knowledge and expertise, she was invited to present 200 lectures; her sharp wit and brilliant verbal skills made her the consummate educator. Generous to a fault, Dr Lev-Toaff was known by radiologists worldwide for her concern for those in need and her commitment to her profession and to her patients. Due to her many accomplishments in research, education, and clinical and volunteer work, she was elected to fellow status by the AIUM, the American College of Radiology, and the Society of Radiologists in Ultrasound and was actively involved in all 3 organizations. A reflection of Dr Lev-Toaff’s dedication to education and research, she served on the Editorial Board of the Journal of Ultrasound in Medicine and had been a member of the AIUM’s Annual Convention Committee and its Endowment for Education and Research Committee.

We grieve with Dr Lev-Toaff’s 4 children (her proudest accomplishment), her extended family, her colleagues worldwide, and her past and would-have-been patients; the world of radiology has lost one its best.
2016 AIUM Award Winners

Carol Mittelstaedt, MD, FAIUM

On March 12, 2015, Carol Mittelstaedt, MD, FAIUM, died at an age (69 years) when she was just beginning to enjoy her well-deserved retirement. A native of Arkansas, she earned a bachelor of science degree from the University of Arkansas in Fayetteville and her medical degree at the University of Arkansas Medical School. She subsequently completed a radiology residency at the same institution, followed by a fellowship in diagnostic ultrasound at the University of California San Diego under George R. Leopold, MD, FAIUM, editor emeritus of the Journal of Ultrasound in Medicine.

Affectionately known as Dr Mitt, she was an ultrasound pioneer who founded the Clinical Ultrasound Service at the University of North Carolina (UNC) and was one of the first women appointed to the faculty of the Department of Radiology, where she served as director of ultrasound until 2004. Recognizing that the usefulness of medical ultrasound is dependent on the skill and knowledge of the person scanning, she founded a school of sonography at UNC.

A member of the AIUM for more than 3 decades, Dr Mittelstaedt was awarded fellowship status in 1990. As she did with everything, she gave the organization her all. She was a member of the AIUM’s Board of Governors (1995–1998), chaired the Program Committee as well as what was previously known as the Abdominal Section, and served on the Annual Convention Committee, the Education and Research Scientific Advisory Committee, and the Americas Conference on Ultrasound Committee. She was also active in the Society of Radiologists in Ultrasound (SRU), serving as program chair and chair of the SRU’s Constitution Committee. In addition, she examined in ultrasound for the American Board of Radiology in the late 1980s.

An exceptional teacher, she was an invited lecturer at national and local radiology conventions and at foreign medical convocations in Chile, Egypt, Hong Kong, and Thailand. An ideal mentor, she nurtured the careers of many who would go on to become leaders in medical ultrasound. Indeed, it was due to her efforts in introducing young faculty to ultrasound that inspired many to choose ultrasound as their main specialty of interest. She was ahead of her time in recognizing the importance and value of diagnostic ultrasound.

She set high standards for those with whom she worked but provided the necessary support to her sonographers, residents, fellows, and colleagues to enable all to meet those standards. A superb cook and generous to a fault, Dr Mittelstaedt will be missed by her extended family, her AIUM and SRU colleagues, the many ultrasound professionals whose careers she guided, as well as those who never had the chance to meet her but who had the advantage to study her two widely acclaimed textbooks, Abdominal Ultrasound and General Ultrasound. The world has lost an exceptional medical professional.

Memorial Recognition

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