

*American Association
of
Physicists in Medicine*



Awards Ceremony

*July 19, 2010
Ballroom B
Philadelphia Convention Center
Philadelphia, Pennsylvania
6:00 p.m.*

The American Association of Physicists in Medicine was founded in 1958 to promote the application of physics to medicine and biology, to encourage interest and training in medical physics and related fields, and to prepare and disseminate technical information in medical physics and related fields.

2010 Program

Welcome and Presentation of Awards

Michael Herman, Ph.D.

AAPM President

Honoring Deceased AAPM Members

AAPM Fellowships and Grants

Research Seed Funding Initiative

AAPM-IPEM Medical Physics Travel Grant

Jack Fowler Junior Investigator Award

John R. Cameron Young Investigator Awards

AAPM Award for Innovation in Medical Physics Teaching

Farrington Daniels Award

Sylvia Sorkin Greenfield Award

Fellows

Recognition of AAPM Membership

Recognition of AAPM Service

Award for Achievement in Medical Physics

William D. Coolidge Award

Closing Remarks

Reception immediately following in the
Grand Hall

~ *AAPM Fellowship* ~

This fellowship consists of \$13,000 per year, plus tuition support not exceeding \$5,000 per year, for the training of a doctoral candidate in the field of medical physics. This recipient is carefully selected by the Awards Selection Subcommittee of the Education and Training of Medical Physics Committee and funded by the AAPM Education and Research Fund. The winner of the RSNA/AAPM Two Year Pre-Doctoral Fellowship for 2010-2012 is:

Edward Wunder - University of Wisconsin-Madison

~ *Summer Undergraduate Fellowships* ~

These fellowships consist of a stipend of \$4,500 USD with the purpose of providing opportunities for Undergraduate university students to gain experience in medical physics by performing research in a medical physics laboratory or assisting with clinical service at a clinical facility. These undergraduates are selected by the Summer Undergraduate Fellowship Program Subcommittee of the Education and Training of Medical Physics Committee.

**Mike Adams
Stephanie Harmon
Jamie Johnson
Erin Sculley**

**Kathryn Turner
Davis Woodworth
Brian Yavoich**

~ *Minority Undergraduate Summer Experience* ~

This program is designed to expose minority undergraduate university students to the field of medical physics by performing research or assisting with clinical service at a U.S. institution (university, clinical facility, laboratory, etc). The charge of MUSE is specifically to encourage minority students from Historically Black Colleges and Universities (HBCU), Minority Serving Institutions (MSI) or non-Minority Serving Institutions (nMSI) to gain such experience and apply to graduate programs in medical physics. Each recipient is selected by the Minority Recruitment Subcommittee of the Education and Training of Medical Physics Committee and will receive a \$4,500 stipend.

**Rabi Alam
Acacia Ho**

**Danielle Nicholson
Siai-Anne Roberts**

~ *Summer School Scholarships* ~

These scholarships are offered to applicants (up to 10 awarded) who are early in their careers in medical physics. The scholarship consists of registration fees waived for that year. The recipients are selected by the Summer School Scholarship Subcommittee of the Awards and Honors Committee.

**Yang Cathy Cai
Jennifer Cole
Scott Dodd
Kenneth Homann
Tae Kyu Lee**

**David Pearson
Leah Schubert
Nikul Sheth
Fanqing Guo
Gosia Niedbala**

~ *Research Seed Funding Initiative* ~

This award provides start-up funds for research-oriented medical physicists. The recipient is carefully selected by the Joint Working Group for Research Seed Funding Initiative of the Science Council's Therapy Research subcommittee. The award consists of \$25,000 for a one-year term.

Guillem Pratx, Ph.D. - Stanford University School of Medicine

~ *AAPM-IPEM Medical Physics Travel Grant* ~

This grant is made annually to a U.S. AAPM member who shows evidence of an active scientific career in medical physics. The purpose of this grant is to promote communications and professional partnerships between U.S. AAPM members and IPEM members from the United Kingdom.

The grant will include £400 from the Institute of Physics and Engineering in Medicine and \$2,750 from AAPM.

Lu Wang, Ph.D.

~ *Jack Fowler Junior Investigator Award* ~

An award for Junior Investigators has been established in honor of Dr. Jack Fowler, Ph.D., Emeritus Professor of Human Oncology and Medical Physics, University of Wisconsin. Junior Investigators were encouraged to submit abstracts for the competition. The top scoring Junior Investigator submission determined by abstract reviewers was selected.

Andrew Kuhls-Gilcrist, Ph.D.

~ *John R. Cameron Young Investigator Award* ~

Each year the AAPM conducts a Young Investigators' Competition for the Annual Meeting. Young Investigators were encouraged to submit abstracts for the competition. The 10 highest scored Young Investigator submissions determined by abstract reviewers are selected to be presented in a special symposium, in honor of University of Wisconsin Professor Emeritus John R. Cameron, Ph.D.

To be announced

~ *AAPM Award for Innovation in Medical Physics Teaching* ~

The Award for Innovation in Medical Physics Teaching is given for innovative programs in medical physics education of physicists, physicians, ancillary personnel and the public. This year two outstanding efforts tied for first place:

Mary Ellen Smajo, Ph.D.

Perry Sprawls, Ph.D.

~ *Farrington Daniels Award* ~

The Farrington Daniels Award for the best paper on Radiation Dosimetry published in *Medical Physics* in 2009 is presented to:

Hugo Bouchard, Jan Seuntjens, Jean-Francois Carrier and Iwan Kawrakow

for their paper entitled "*Ionization chamber gradient effects in nonstandard beam configurations,*" *Medical Physics* 36, No.10, pp. 4654-4663 (2009).

~ *Sylvia Sorkin Greenfield Award* ~

The Sylvia Sorkin Greenfield Award for the best paper (other than Radiation Dosimetry) published in *Medical Physics* for 2009 is presented to:

**Jonathan Maltz, Frank Sprenger, Jens Fuerst, Ajay Paidi,
Franz Fadler, and Ali R. Bani-Hashemi**

for their paper entitled "*Fixed gantry tomotherapy system for radiation therapy image guidance based on a multiple source x-ray tube with carbon nanotube cathodes,*" *Medical Physics* 36, No. 5, pp. 1624-1636 (2009).

~ Fellows ~

The category of Fellow honors members who have distinguished themselves by their contributions in research, education, and leadership in the medical physics community.

Rupak K. Das, Ph.D.
John J. DeMarco, Ph.D.
D. Jay Freedman, M.S.
Per H. Halvorsen, M.Sc.
Sanford L. Meeks, Ph.D.
Moyed Miften, Ph.D.
Sabee Molloi, Ph.D.
Sasa Mutic, M.S.
Michael K. O'Connor, Ph.D.

Arthur J. Olch, Ph.D.
Mark Oldham, Ph.D.
Christopher G. Soares, Ph.D.
Wolfgang A. Tomé, Ph.D.
Richard J. Vetter, Ph.D.
Charles E. Willis, Ph.D.
Ning J. Yue, Ph.D.
X. Ronald Zhu, Ph.D.

~ Recognition of 50 years of AAPM Membership ~

~ AAPM Recognition of Service Awards ~

AAPM Service Awards are given to outgoing officers of the organization to show appreciation for their time and efforts as an officer. This year the AAPM would like to recognize the work of:

Maryellen L. Giger, Ph.D.
AAPM President, 2009

Mary E. Moore, M.S.
AAPM Treasurer, 2008 - 2009

~ Award for Achievement in Medical Physics ~

This award recognizes AAPM members whose careers have been notable based on their outstanding achievements. The recipients for the 2010 Award for Achievement in Medical Physics are:

Benjamin R. Archer, Ph.D.

Laurence P. Clarke, Ph.D.

~ William D. Coolidge Award ~

The AAPM's highest honor is presented to a member who has exhibited a distinguished career in medical physics, and who has exerted a significant impact on the practice of medical physics. The recipient of the 2010 AAPM William D. Coolidge Award is:

David W.O. Rogers, Ph.D.

New AAPM Fellows



Rupak K. Das, Ph.D.

Rupak K. Das received his Ph.D. degree from Ohio University in 1988. He was a post doctoral fellow at the University of North Carolina and Washington University. After completing the Clinical Medical Physics Residency Program at the University of Florida, he joined the Department of Human Oncology and Department of Medical Physics at the University of Wisconsin, in 1997, where he is now a professor. Dr. Das has served in many capacities in the AAPM, ASTRO and ABS. In the past, he has been an Associate Editor of *Medical Physics*, but is still a very active reviewer of the Journal. He is currently associated with three committees/sub committees of AAPM and also a committee with ASTRO. He is an oral examiner of the ABR. Dr. Das has published over 50 papers in peer-reviewed journals and presented/taught numerous courses in brachytherapy physics in the medical physics community.



John DeMarco, Ph.D.

Dr. DeMarco is an Associate Clinical Professor in the UCLA Department of Radiation Oncology and Chief of the Clinical Physics section. He received his Ph.D. from the UCLA Biomedical Physics Graduate Program in 1997. Dr. DeMarco has held several positions for the Southern California Chapter of the AAPM and is currently serving as a member of the AAPM Calibration Lab Accreditation Subcommittee. Dr. DeMarco's research interests are currently focused on issues related to accurate dose calculation algorithms with respect to therapeutic and diagnostic radiology as well as image-guided radiation therapy procedures. Dr. DeMarco is an active teacher and mentor for the UCLA Biomedical Physics graduate program and has been a first author or co-author on over 50 papers in peer-reviewed journals and scientific proceedings.



D. Jay Freedman, M.S.

D. Jay Freedman received his M.S. in Physics from UAB in 1979. He has worked in clinics in the U.S. and Israel. He has taught courses and seminars in Radiation Therapy Physics for RTT students, medical residents, and medical physicists. His contributions to the AAPM are many and varied. He served on the Ethics Committee from 1998 to 2006, sitting as chair beginning in 2001. Revision of the AAPM Code of Ethics began under his leadership. He has been a member of Professional Council, TG-103, TG-159, Legal Info/Risk Management Subcommittee, the President's Ad Hoc Committee on Endorsement of Outside Documents, PICR/CP, Professional Econ, Public Education, and Peer Review Clearinghouse Subcommittee. He was largely responsible for the initiation of the annual AAPM blood drive. From 2007 through 2009, Mr. Freedman served on the AAPM Board of Directors.



Per H. Halvorsen, M.Sc.

Per Halvorsen received his M.S. in Radiological Medical Physics from the University of Kentucky in 1990. He worked as a Clinical Radiotherapy Physicist at the Harvard Joint Center for Radiation Therapy and the University of North Carolina before joining private practice and is now Director of Medical Physics for Alliance Oncology with clinical locations nationwide. Mr. Halvorsen has served in many capacities in the AAPM, and is currently Chair of the Professional Council. His AAPM service has primarily focused on promoting strong standards and peer review in clinical medical physics. He has been an active supporter of the ACR's Radiation Oncology accreditation program for the past 15 years, and is a Fellow of the College. He recently chaired TG-103's work on peer review in clinical radiotherapy physics, and currently co-chairs TG-127's work on Maintenance of Certification.



Sanford L. Meeks, Ph.D.

Sanford Meeks earned his M.S. in Physics from Florida State University and his Ph.D. in Medical Physics from the University of Florida in 1994. He joined the faculty at the University of Florida in 1995 and held appointments in the Departments of Neurosurgery, Radiation Oncology, and Nuclear and Radiological Engineering. In 1999, he joined the Department of Radiation Oncology at the University of Iowa as Associate Professor and Chief of Medical Physics. Dr. Meeks currently serves as Chief of Physics at M. D. Anderson Cancer Center Orlando. He serves on the Editorial Board of *Medical Physics*, is a member on 2 AAPM task groups, and is Past President of the Florida Chapter of AAPM. Dr. Meeks has published 85 peer-reviewed manuscripts, and 19 book chapters. His research has been supported by more than \$4M in grants and contracts from government agencies, private foundations, and industry.



Moyed Miften, Ph.D.

Moyed Miften received his Ph.D. degree from the University of Michigan in 1994. After completing a post-doctoral fellowship in Radiation Oncology at the University of Michigan, he worked as a Medical Physicist at William Beaumont Hospital, then as an Assistant and Associate Professor at Duke University, and an Associate Professor and Chief Physicist at Allegheny General Hospital. He is now a Professor and Chief Physicist at the University of Colorado. Dr. Miften serves on several committees of AAPM, ACMP, and ASTRO. He is an Associate Editor for *JACMP*, a guest Associate Editor for *Medical Physics*, and a reviewer for 7 scientific journals. He has authored over 52 peer-reviewed publications and 59 scientific abstracts, and has made numerous presentations at national and international meetings. Dr. Miften has been a PI and co-investigator on research grants from NIH and industry, and has trained 5 post-doctoral fellows.



Sabee Molloi, Ph.D.

Sabee Molloi received his medical physics Ph.D. degree from the University of Wisconsin-Madison in 1987. He joined the Department of Radiological Sciences at the University of California-Irvine, in 1988, where he is now professor of Radiology. Dr. Molloi has served in many capacities in the AAPM. He is currently co-chair of the Committee for the Seed funding reviewer group, and serves as a member of Imaging Research Subcommittee. He served as Associate Editor of *Medical Physics* from 2003 to 2006, Imaging Scientific Program Co-Director in 2008 and Imaging Scientific Program Director in 2009. Dr. Molloi has published over 70 papers in peer-reviewed journals and has been awarded numerous NIH grants.



Sasa Mutic, M.S.

Sasa Mutic, a Radiation Therapy Medical Physicist, is an Associate Professor of Radiation Oncology and Chief of Clinical Medical Physics at the Mallinckrodt Institute of Radiology at the Washington University School of Medicine in St. Louis, Missouri. His main clinical and research interests include optimal implementation of medical imaging modalities in the radiotherapy treatment planning and improvement of radiotherapy processes and quality control measures. Additionally, he actively participates in education of residents and various students at the Washington University and partner institutions. He received an M.S. degree in Medical Physics from the University of Colorado, and he completed medical physics residency at the Washington University School of Medicine.



Michael K. O'Connor, Ph.D.

Michael O'Connor received his Ph.D. degree from the Trinity College Dublin, Ireland in 1978. He worked as a Senior Medical physicist in St. James's Hospital in Dublin before accepting a position in the Department of Diagnostic Radiology at the Mayo Clinic in 1986, where he is now professor of Radiologic Physics. Dr. O'Connor served as Chair of the Division of Medical Physics from 1995-2008. He has served in many capacities in the Society of Nuclear Medicine. He is past-resident of the Central Chapter of the SNM and served on the Computer and Instrumentation council of the SNM. He has also been active professionally in the American Society of Nuclear Cardiology and is currently a member of the Board Review Course Committee. Dr. O'Connor has published over 130 papers in peer-reviewed journals.



Arthur J. Olch, Ph.D.

Arthur Olch was born and raised in Southern California. He received his Ph.D. in medical physics from UCLA in 1986. He was a Therapy Physicist at Kaiser Hospital from 1982 through 1998. Since 1998, he has been Chief of Physics and Associate Professor of Pediatrics and Radiation Oncology at Childrens' Hospital Los Angeles. Dr. Olch has published 28 papers, 35 abstracts, 4 book chapters, and one AAPM monograph. He is currently chair of the AAPM Quality Assurance Subcommittee and of TG 176, and has served on TPC, TG 69, and TG 113. He has been awarded two patents and 17 industry research contracts. He is also Chair of the Childrens Oncology Group Physics Committee.



Mark Oldham, Ph.D.

Mark Oldham received his PhD from the University of Newcastle-Upon-Tyne, in 1991. His Postdoctoral research was in radiation therapy physics in the Institute of Cancer Research at the Royal Marsden Hospital in London, where he became a Lecturer in Medical Physics in 1995. In 1998 he joined the Radiation Therapy department at the William Beaumont Hospital in Michigan, and in 2001 he moved to his present position as Associate Professor at Duke University Medical Center. He has an active research laboratory with NIH funding support, and is Director of the Radiation Therapy Track in the Medical Physics MS/PhD Program at Duke.



Christopher G. Soares, Ph.D.

Dr. Soares is a physicist in the Ionizing Radiation Division of the National Institute of Standards and Technology (NIST). He has been at NIST, in the Dosimetry Group (now known as the Radiation Interactions and Dosimetry Group) since 1975 and has worked on ionizing radiation measurement of photon and beta particle radiation fields with TLDs, ionization chambers, scintillation detectors, radiochromic film, and solid state detectors. His current research centers on absorbed dose to water measurements of photon and beta particle brachytherapy sources. He is a member of the National Council on Radiation Protection and Measurements (NCRP), a US delegate to the International Organization for Standardization (ISO), and most lately served as Chairman of the working group revising ANSI N13.11, a standard he has been involved with in one way or another his whole career. He is in charge of both protection-level and medical beta particle source calibrations at NIST.



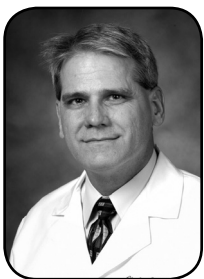
Wolfgang A. Tome, Ph.D.

Wolfgang Tomé, Ph.D. is a tenured Professor of Human Oncology and Medical Physics at the University of Wisconsin at Madison. Dr. Tomé obtained his Ph.D. in Theoretical Physics from the University of Florida and completed a two-year residency in Radiation Oncology Physics at the Shands Cancer Center at the University of Florida. He joined the faculty of the Department of Human Oncology at the University of Wisconsin in 1998 and is board certified by the American Board of Radiology in Therapeutic Radiological Physics. His fields of primary expertise include Stereotactic Radiosurgery, Frameless Optically Guided Fractionated Stereotactic Radiotherapy, Intensity Modulated Radiotherapy, Image Guided Radiotherapy, Stereotactic Body Radiotherapy, and Biomathematical Modeling.



Richard J. Vetter, Ph.D.

Richard J. Vetter received his Ph.D. from Purdue University in 1969. He served on the Purdue Faculty from 1970 to 1980 and joined Mayo Clinic in 1980 as Radiation Safety Officer and Professor of Biophysics. He is past Editor-in-Chief of *Health Physics*, past president of the Health Physics Society and author or coauthor of more than 220 publications, book chapters, and monographs. He serves on the editorial board for Operational Radiation Safety and on the Council for the National Council on Radiation Protection and Measurements and is President of the American Academy of Health Physics. Dr. Vetter received outstanding alumnus awards from Purdue and South Dakota State University. He serves on advisory boards for medical and health physics training programs at three universities.



Charles E. Willis, Ph.D.

Charles Willis received his Ph.D. degree in Biophysical Sciences from the University of Houston in 1984. Following a Research Associateship at the UT M D Anderson Cancer Center, he was a contractor to NASA and a Nuclear Medical Science Officer in the US Army. As Assistant Professor at UT Houston Health Science Center, he assisted with DoD PACS. In 1997, Dr. Willis was assigned as Baylor faculty to Texas Children's Hospital. Returning to M D Anderson in 2004 as Associate Professor in Imaging Physics, he is Residency Program Director. Dr. Willis is currently co-chair of AAPM Task Group 150 and serves as an Associate Editor of *Medical Physics*. He has also been active in the Society for Pediatric Radiology, the Society for Imaging Informatics in Medicine, and the Radiological Society of North America.



Ning J. Yue, Ph.D.

Ning J. Yue received his Ph.D. degree in Physics from the University of Pennsylvania in 1994. After completing the Clinical Medical Physics Residency Program at the Thomas Jefferson University he joined the Department of Therapeutic Radiology of Yale University School of Medicine in 1997. In 2004, he joined the University of Pittsburgh Medical Center as an Associate Director of Medical Physics. He joined the Department of Radiation Oncology of UMDNJ-Robert Wood Johnson Medical School in 2006, where he is now Professor, Vice Chairman of the department and Chief of the Medical Physics Division. Dr. Yue has served in subcommittee and task group of the AAPM. Dr. Yue is dedicated to the Clinical Medical Physics services, the education in radiation oncology, the training of medical physicists, and the research. He has published over 70 papers in peer-reviewed journals.



X. Ronald Zhu, Ph.D.

X. Ronald Zhu received his Ph.D. degree from the University of Utah in 1989. He completed his Radiation Oncology Physics Residency training at Washington University in St. Louis in 1996. He is now professor of Radiation Physics, Deputy Chief of Clinical Physics, Proton, and program director of the radiation physics residency program at UT M. D. Anderson Cancer Center. Dr. Zhu has served in many committees, subcommittee, working/task groups in the AAPM. He is currently chair of the Awards Selection Subcommittee of the Education and Training of Medical Physicists Committee. He also serves as a Section Editor of *Journal of Applied Clinical Medical Physics*. He has also been active professionally in the Commission on Accreditation of Medical Physics Education Programs. Dr. Zhu has published over 50 papers in peer-reviewed journals.

Achievement in Medical Physics Award

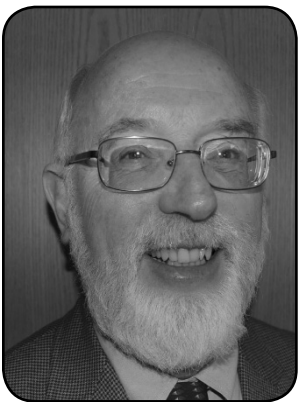


Benjamin R. Archer, Ph.D.

Benjamin R. Archer Ph.D. is currently a Professor of Radiological Science at Baylor College of Medicine where he has served for more than 35 years. He is a fellow of AAPM, ACMP and ACR and has held numerous positions with each of these organizations. He has been a Board Member of the AAPM, ACMP and the ABMP and served the latter as an oral examiner for many years. In 2000, he was elected as a Council Member of the NCRP and was reelected again in 2006 for a second term. For the last five years Dr. Archer has served as the Executive Director of the ABMP, which currently has nearly 600 diplomates.

Recently, Dr Archer's contributions to NCRP have been especially significant and noteworthy. As Co-Chair of AAPM Task Group 13/ NCRP Science Committee 9, he directed the effort to produce a seminal document on radiation shielding that was subsequently published as NCRP Report 147 in 2004. His research produced the "Archer Equation" and the transmission data that became a fundamental component of the final document. Today these have been incorporated into many shielding documents throughout the world. During the Report development and after its completion, he presented numerous Refresher Courses at national meetings and produced publications to help explain the new methodology.

Finally, he has, with Dr. Lou Wagner, been at the forefront of the important effort to reduce radiation injuries from fluoroscopic radiation. Together they have given frequent lectures and published four editions of a monograph that have reached many thousands of physician practitioners, radiographers and administrators.



Laurence P. Clarke, Ph.D.

Laurence (Larry) Clarke received his Ph.D. in physics from the National University of Ireland (1979) for his studies of quantitative nuclear medicine imaging. He has held previous appointments at Memorial Sloan Kettering Cancer Center, Dublin Institute of Technology, and the University of Miami. His most recent academic appointment was as a Professor of Radiology, at the University of South Florida (USF) and as a Program Leader for Imaging at the H. Lee Moffitt Cancer and Research Center at USF. His research has focused on quantitative imaging methods across a range of imaging modalities, with an emphasis on cancer. His research has been funded by NCI, Whitaker Foundation, ACS and DOD among others. He

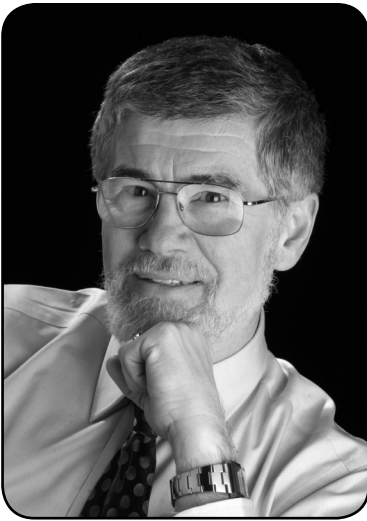
is a Research Fellow of the ISMRM and AAPM.

Dr. Clarke is currently the Branch Chief for Imaging Technology Development Branch, Cancer Imaging Program at NCI since 1999. In this capacity, he is responsible for the development of research strategies and research resources for supporting new and emerging imaging technologies that address the cancer problem. Larry has been successful in establishing several NCI programs and research networks for the development and validation of quantitative imaging methods for current and the next generation imaging platforms as required to support multi center clinical trials. Dr. Clarke has been active in working with scientific societies such as the RSNA, AAPM, ISMRM and SNM to support and adopt physical standards for imaging as a biomarker. Dr. Clarke has a detail assignment with NIBIB and guest scientist at NIST, where he has been active in encouraging the development and adoption of performance standards for biomedical imaging, both nationally since 2006, and recently internationally.

William D. Coolidge Award Recipients

1972	William D. Coolidge	1991	Moses A. Greenfield
1973	Robert J. Shalek	1992	Nagalingam Suntharalingam
1974	John S. Laughlin	1993	Colin G. Orton
1975	Marvin M.D. Williams	1994	F. H. Attix
1976	Harold E. Johns	1995	Robert Loevinger
1977	Edith E. Quimby	1996	Leonard Stanton
1978	Lawrence H. Lanzl	1997	James A. Purdy
1979	Herbert M. Parker	1998	Bengt E. Bjarngard
1980	John R. Cameron	1999	Faiz M. Khan
1981	James G. Kereiakes	2000	Lowell L. Anderson
1982	Gail D. Adams	2001	Ravinder Nath
1983	Edward W. Webster	2002	Bhudatt R. Paliwal
1984	Robley D. Evans	2003	Kenneth R. Hogstrom
1985	Jack S. Krohmer	2004	C. Clifton Ling
1986	Warren K. Sinclair	2005	Gary T. Barnes
1987	Gordon L. Brownell	2006	Ervin B. Podgorsak
1988	John R. Cunningham	2007	Arthur Boyer
1989	William R. Hendee	2008	Paul L. Carson
1990	Peter R. Almond	2009	Willi A. Kalender

AAPM William D. Coolidge Recipient for 2010



David W.O. Rogers, Ph.D.

David W. O. Rogers received his Ph.D. degree in experimental nuclear physics from the University of Toronto in 1972. After a Post Doctoral Fellowship in Oxford, in 1973 he joined the National Research Council in Ottawa in what is now the Ionizing Radiation Standards Group. As a result of Dave's lively arguments with Harold Johns over the role of nuclear power and the exploitation of junior physicists by the Canadian physics establishment, Harold exerted his influence to have Dave put in charge of a strengthened program in radiation dosimetry at NRC. When the entire section was laid off in a 1984 Conservative government cost cutting exercise, many medical physicists, in particular Rock Mackie and Jack Cunningham, publicly emphasized the need for accurate radiation standards for cancer radiotherapy. The group was reinstated and Dave continued at NRC until 2003 when he took up a Canada Research Chair in Medical Physics in the Physics Department at Carleton University.

Dave has played an active role in the AAPM. He has served on many Task Groups related to radiation dosimetry, most importantly, TG-51, the protocol in use today for external beam reference dosimetry. Dave has served 3 terms on what is now the Calibration Laboratory Accreditation Committee. He is pleased that many members of this committee have worked or studied in his laboratory. He served on the Board of Directors from 1999-2001 and co-directed the 2010 AAPM Summer School. Dave has been active with the journal *Medical Physics* serving on the editorial board since 1987, as Deputy Editor for radiotherapy since 2005 and as a member of the Journal Business Management Committee from 2002 to 2007. Dave has served on international committees of the ICRU and IAEA as well as being Canada's representative on the BIPM committee for ionizing radiation standards. In addition he has been active in the Canadian Organization of Medical Physicists where he served as Chair in 1983-84 and was the founding chair of the committees which direct the Young Investigators Symposium and award COMP's Gold Medal.

Dave has published about 140 journal articles. Four of these won the AAPM's Farrington Daniels Award and one won COMP's Sylvia Fedoruk Prize. Equally importantly, he has co-authored numerous user manuals for the Monte Carlo code systems that he has helped develop for simulating the transport of electrons and photons in materials. These have become the gold standards in the field. His research has focused on developing these code systems and applying them to a variety of medical physics problems. Dave is well known for designing and helping deliver more than 30 courses on how to use these codes. As program Director of the Medical Physics program at Carleton University, which is the core of the Ottawa Medical Physics Institute of 30 medical physicists, Dave oversaw the CAMPEP accreditation of its program in 2009. He has supervised 15 graduate students, 17 research associates and 11 foreign visitors, many of whom are now senior members of the profession around the world.

Congratulations to all of the Award Recipients!

