

Faculty & Staff Notes

Honors & Awards



Allan Adams



Wit Busza

Allan Adams, Associate Professor of Physics, received the 2013 MIT Everett Moore Baker Memorial Award for Excellence in Undergraduate Teaching.

Waseem Bakr, Postdoctoral Fellow (Zwierlein group), received a 2013 MIT School of Science Infinite Kilometer Award.

Lisa Barsotti, Research Scientist, MIT Kavli Institute for Astrophysics and Space Research, was awarded a 2013 Young Scientist Prize in General Relativity and Gravitation from the International Union of Pure and Applied Physics (IUPAP).

Edmund Bertschinger, Professor of Physics and Department Head, received the "Outstanding MAESTro Award" from MAES/Latinos in Science and Engineering; was named an Honorary Member of the MIT Alumni Association; and received the 2013 Outstanding Freshman Advisor Award.

Robert J. Birgeneau, MIT Professor of Physics Emeritus and Chancellor, University of California, Berkeley, received a Lifetime Achievement Award from the Centro Legal de la Raza for his "commitment to ensuring access to higher education for disadvantaged students and for launching new services for undocumented students at UC-Berkeley"; and was awarded the American Institute of Physics 2012 Karl T. Compton Medal for Leadership in Physics, for his "leadership in improving the situation for women in science in the United States and around the world, his efforts to enhance diversity in science, and for deepening our understanding of magnetism and its interplay with other states of matter."

Wit Busza, Francis Friedman Professor of Physics Emeritus, was awarded the Department's 2012 William T. Buechner Faculty Advising Prize.

Ivan Amos Cali, Senior Postdoctoral Associate, Laboratory for Nuclear Science (Wyslouch group), received the 2012 Achievement Award of the CMS experiment at CERN.

William Detmold, Assistant Professor of Physics, received a 2013 U.S. Department of Energy Early Career Award.



Jeff Gore



Alan Guth

Mildred Dresselhaus, Institute Professor Emerita, received the 2012 Acta Materialia, Inc., Materials & Society Award, and honorary doctorates from The Pennsylvania State University and Universidade Federal de Minas Gerais, Brazil.

Frederic Eppling, Program Administrator, Laboratory for Nuclear Science, received a 2013 School of Science Infinite Mile Award.

Enectali Figueroa-Feliciano, Associate Professor of Physics, was named a 2012 Kavli Frontiers Fellow by the Kavli Foundation.

Anna Frebel, Assistant Professor of Physics, received a National Science Foundation CAREER Award, and was named one of “Astronomy’s 10 Rising Stars,” in the July 2013 issue of *Astronomy* magazine.

Liang Fu, Assistant Professor of Physics, received a 2013 U.S. Department of Energy Early Career Award.

Nathaniel Gabor, Postdoctoral Fellow (Jarillo-Herrero group), received a 2013 School of Science Infinite Kilometer Award.

Nuh Gedik, Associate Professor of Physics, was awarded a Biedenharn Career Development Professorship.

Jeff Gore, Assistant Professor of Physics, received the 2012 Director’s New Innovator Award from the National Institutes of Health, and the Allen Distinguished Investigator Award from the Paul G. Allen Family Foundation.

Alan H. Guth, Victor F. Weisskopf Professor of Physics, was an inaugural winner of the Fundamental Physics Prize (2012), established by the Milner Foundation to aid in “advancing our knowledge of the Universe at the deepest level by awarding annual prizes for scientific breakthroughs.”

Scott A. Hughes, Associate Professor of Physics, was elected a Fellow of the American Physical Society for his “pioneering work in gravitational wave physics.”

Robert Jaffe, Jane and Otto Morningstar Professor of Physics, was elected a Fellow of the American Academy of Arts and Sciences.

Honors & Awards



Pablo Jarillo-Herrero



Nergis Mavalvala

Pablo Jarillo-Herrero, Associate Professor of Physics, received a 2012 Presidential Early Career Award for Scientists and Engineers (PECASE), and a 2013 Young Investigator Award of the U.S. Department of Defense's Office of Naval Research.

David Kaiser, Germeshausen Professor of the History of Science; Department Head, Program in Science, Technology, and Society; and Senior Lecturer, Department of Physics, had his most recent book, *How the Hippies Saved Physics: Science, Counterculture, and the Quantum Revival*, named 2012 Book of the Year by *Physics World* magazine.

Mehran Kardar, Francis Friedman Professor of Physics, was awarded an International Francqui (Visiting) Professor Chair by the Belgian Francqui Foundation.

Tepepei Katori, Senior Postdoctoral Associate, Laboratory for Nuclear Science (Conrad group), received a 2012 International Union of Pure and Applied Physics (IUPAP) Prize, and the American Physical Society's 2013 Henry Primakoff Award for Early-Career Particle Physics.

Wolfgang Ketterle, John D. MacArthur Professor of Physics; Associate Director, MIT RLE; Director, MIT-Harvard Center for Ultracold Atoms; and 2001 Nobel Laureate, gave three distinguished lectures: the Malmstrom Lecture (Hamline University), the Kavli Colloquium (Delft, The Netherlands), and the Inaugural Cummins Lecture (City College of New York).

Daniel Kleppner, Lester Wolfe Professor of Physics Emeritus, was named an Honorary Professor of the Institute of Physics of São Carlos, University of São Paulo, Brazil.

Patrick A. Lee, William & Emma Rogers Professor of Physics, was named a Simons Distinguished Visiting Scholar at The Kavli Institute for Theoretical Physics, University of California, Santa Barbara.

Nergis Mavalvala, Professor of Physics, was appointed the Curtis (1963) and Kathleen Marble Professor of Astrophysics; received the 2013 MIT School of Science Undergraduate Teaching Award and the 2013 Joseph F. Keithley Award of the American Physical Society.



Sean Robinson

Catherine A. Modica, Physics Academic Administrator, received a 2013 MIT School of Science Infinite Mile Award.

Ernest J. Moniz, Cecil & Ida Green Distinguished Professor Emeritus; Secretary, U.S. Department of Energy, was elected a Fellow of the American Academy of Arts and Sciences.

Jagadeesh S. Moodera, Senior Research Scientist, Francis Bitter Magnet Laboratory, was a 2012 Distinguished Scientist, National Physical Laboratory of New Delhi, India.

Noath Oblath, Postdoctoral Fellow (Formaggio group), received a 2013 MIT School of Science Infinite Kilometer Award.

Chanda Prescod-Weinstein, Martin Luther King, Jr., Postdoctoral Fellow (Bertschinger group) received a 2013 MIT School of Science Infinite Kilometer Award.

Krishna Rajagopal, Professor of Physics and Associate Department Head, Education, was the Emilio Segrè Distinguished Lecturer in Physics, Judah Eisenberg Memorial Colloquium, Tel Aviv University.

George R. Ricker, Senior Research Scientist, MIT Kavli Institute for Astrophysics and Space Research, is the project leader and a principal investigator for the Transiting Exoplanet Survey Satellite (TESS) project at MIT. After a three-year competition, the TESS project was awarded a \$200 million grant from NASA for a planned launch in 2017.

Sean P. Robinson, Physics Lecturer and Manager, Helena Foundation Junior Laboratory, was awarded the Department's William T. Buechner Faculty Teaching Prize for his "outstanding teaching in, and leadership of, Junior Lab."

Christof Roland, Principal Research Scientist, Laboratory for Nuclear Science, received an MIT School of Science Infinite Mile Award.

Iain Stewart, Professor of Physics, was elected a Fellow of the American Physical Society.

Matthew Strafuss, Technical Instructor, Physics Technical Services Group, received a 2013 MIT School of Science Infinite Mile Award.

Max Tegmark, Professor of Physics, was elected a Fellow of the American Physical Society.

Honors & Awards



Jesse Thaler



Samuel Ting



Vlado Vuletic

Richard Temkin, Senior Research Scientist and Associate Director, MIT Plasma Science and Fusion Center, received the IEEE Nuclear and Plasma Sciences Society's 2013 Plasma Science and Applications (PSAC) Award.

Jesse Thaler, Assistant Professor of Physics, was named a 2012 Kavli Frontiers Fellow; appointed the Class of 1943 Career Development Professor (2012-2015); received a 2012 Presidential Early Career Award for Scientists and Engineers (PECASE); and awarded a 2013 Alfred P. Sloan Research Fellowship.

Samuel C. C. Ting, Thomas D. Cabot Professor of Physics and 1976 Nobel Laureate, was elected a Fellow of the American Academy of Arts and Sciences.

Gerrit van Nieuwenhuizen, Principal Research Scientist, Laboratory for Nuclear Science, received a 2013 MIT School of Science Infinite Mile Award.

Vlado Vuletic, Lester Wolfe Professor of Physics and Division Head, Atomic, Biological, Condensed Matter and Plasma Physics, was elected a Fellow

of the American Physical Society, and gave the Jacobsohn Memorial Lecture, University of Washington.

Frank Wilczek, Herman Feshbach Professor of Physics and 2004 Nobel Laureate, received honorary doctorates from Jagiellonian University (Poland) and Uppsala University (Sweden).

Michael Williams, Assistant Professor of Physics, received a 2013 U.S. Department of Energy Early Career Award.

Paolo Zuccon, Assistant Professor of Physics, attended the 2012 Premio Citta' Impresa (Vicenza, Italy) and the 2012 Premio Civiltas (Conegliano, Italy).

Martin Zwiernik, Professor of Physics, was awarded the Department's 2012 William T. Buechner Faculty Teaching Prize.

MIT Department of Physics received the 2013 American Physical Society Award for Improving Undergraduate Physics Education.



Robert Simcoe



Iain Stewart



Martin Zwierlein

Promotions

Allan Adams to Associate Professor of Physics without tenure.

Nuh Gedik to Associate Professor of Physics without tenure.

Pablo Jarillo-Herrero to Associate Professor of Physics without tenure.

Robert Simcoe to Associate Professor of Physics with tenure.

Iain Stewart to Full Professor of Physics.

Martin Zwierlein to Full Professor of Physics.

Retirements



J. David Litster (1966–2013) is an experimental condensed matter physicist. A 1961 Engineering graduate of McMaster University, he received a PhD in Physics from MIT in 1965 and joined the Department of Physics as an Instructor. His earlier research interests included NMR and optical studies of magnetic phase transitions. More recently he has used neutron scattering, light scattering and high resolution X-ray scattering to investigate phase transitions in liquid crystal materials. Litster is a Fellow of the American Physical Society, a Fellow of the American Association for the Advancement of Science and a Fellow of the American Academy of Arts and Sciences. He received an honorary doctorate from McMaster University in 1992 and the Irving Langmuir Prize in Chemical Physics from the American Physical Society in 1993 for his liquid crystal studies. At MIT he has served as Director of the Center

Retirements

for Materials Science and Engineering and the Francis Bitter National Magnet Laboratory. He was Vice President for Research at MIT from 1991–2001 and also Dean for Graduate Education from 1996–1999. He currently chairs the MIT Nuclear Reactor Safeguard Committee.



Ernest J. Moniz (1973–2013) is the Cecil & Ida Green Professor of Physics and Engineering Systems Emeritus, and a theoretical nuclear physicist and leader in energy technology and policy. He received a Bachelor of Science degree *summa cum laude* in physics from Boston College in 1966 and a PhD in theoretical physics from Stanford University in 1972. He was a National Science Foundation Postdoctoral Fellow at Saclay, France, and at the University of Pennsylvania. In 1973 he joined the MIT physics faculty. From 1983–1991 he served as Director of the Bates Linear Accelerator Center. He was Head of the MIT Physics Department from 1991–1997, aside from a period in 1995–1997 during which he served as Associate Director for Science in the Office of Science and Technology Policy in the Executive Office of the President. During 1997–2001 he served as Under Secretary of Energy of the U.S. Department of Energy. In 2009 he became the founding Director of the MIT Energy Initiative and Director of the Laboratory for Energy and the Environment. From 2009–2013 he served on President Obama’s Council of Advisors for Science and Technology (PCAST). In 2013 he became the 13th U.S. Secretary of Energy. He is a Fellow of the American Association for the Advancement of Science, the Humboldt Foundation, and the American Physical Society and a member of the Council on Foreign Relations. He received the 1998 Seymour Cray HPCC Industry Recognition Award for vision and leadership in advancing scientific simulation and in 2008 the Grand Cross of the Order of Makarios III for contributions to development of research, technology and education in Cyprus and the wider region. He has received honorary doctorates from the University of Athens, the University of Erlangen-Nuremberg and Michigan State University.

For Faculty and Staff. You have enough to keep track of. Let us help you navigate the ins and outs of Marquette with the following online resources. If you see an issue with the faculty and staff website, please contact Sarah Koziol at sarah.painter@marquette.edu.
Location. Marquette University 1250 W. Wisconsin Ave. Faculty and Staff Notes. Newest things first. On September 19th baby June Mary Callow joined Interdisciplinary Writing Program incoming Director Megan Callow, her partner Adam, and young son Coleman. In addition to writing, editing, and carrying out her duties teaching undergraduate and graduate students, she co-founded and co-directed the University's Textual Studies program, served as director of the Comparative History of Ideas and English Italy Study Abroad Programs, teaching regularly in Rome.