

Student Honors & Awards

(UNDERGRADUATE)

2016 Alan Barrett Prize

Anirudh Prabhu SB '16

Thesis supervisor: David Kaiser

The award, established by students, friends, relatives, and colleagues of the late Professor Alan Barrett, honors his outstanding influence in the education of physicists and his fundamental contributions to the science and technology of astrophysics. A \$1,000 prize is awarded annually to a senior undergraduate or graduate in Astrophysics.

2016 Malcolm Cotton Brown Award

Thanawuth (Atom) Thanathibodee SB '16

Thesis supervisor: Anna Frebel

Awarded to a senior of high academic standing in physics who plans to pursue graduate study in experimental physics. Given in memory of Lt. Malcolm Cotton Brown, Royal Air Force, who was killed in service on July 23, 1918. The fund currently provides a prize of \$1,000.

2016 Burchard Scholar

Lisa Kong SB '18, *Physics*

The Burchard Scholars Program brings together distinguished members of the faculty and promising sophomores and juniors who have demonstrated excellence in some aspect of the humanities, arts, and social sciences, as well as in science and engineering. The Burchard Program format is a series of dinner-seminars held during the academic year to discuss topics of current research introduced by MIT faculty members. The Program is sponsored by the Dean's Office, School of Humanities, Arts, and Social Sciences.



2016 Philip Morse Memorial Award winner Francisco Leal Machado (left) with Department Head Peter Fisher.



2016 Order of the Lepton Award winner Nicholas Rivera (left) with Department Head Peter Fisher.

2016 Philip Morse Memorial Award

Francisco Leal Machado SB '16

Thesis supervisor: Marin Soljačić

Awarded to a senior of high academic standing in physics who plans to pursue graduate study in physics. Given in memory of Philip Morse, MIT Professor of Physics, one of the renowned physicists of the 20th century, whose contributions spanned from basic physics to engineering. The fund currently provides a prize of \$1,000.

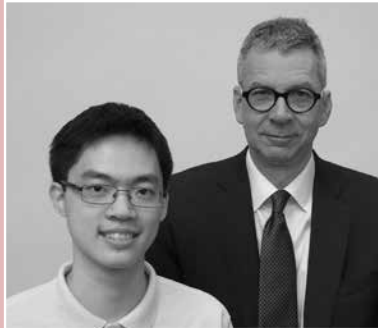
The Order of the Lepton Award

Nicholas Rivera SB '16

Research supervisor: Marin Soljačić

Awarded to a graduating senior who best exemplifies the spirit and characteristics of MIT's physics students. Established with gifts from alumni and friends of the Department, the Order of the Lepton embodies the community and collaboration that is one of the hallmarks of the MIT Physics Department. The fund provides a prize of \$1,000.

Student Honors & Awards



2016 Orloff Award winners, all shown with Department Head Peter Fisher. (From left) Hengyun Zhou, Scholarship; Nicholas Rivera, Research; Nicholas Rivera and Emilio Pace, Service. [Not present: Emmett Krupczak.]

2016 Joel Matthew Orloff Awards

Scholarship

Hengyun (Harry) Zhou SB '16

Research supervisor: Marin Soljačić

Research

Nicholas Rivera SB '16

Research supervisor: Marin Soljačić

Service

Emmett Krupczak SB '16

Research supervisor: Lindley Winslow

Emilio Pace SB '16

Academic advisor: Anna Frebel

Nicholas Rivera SB '16

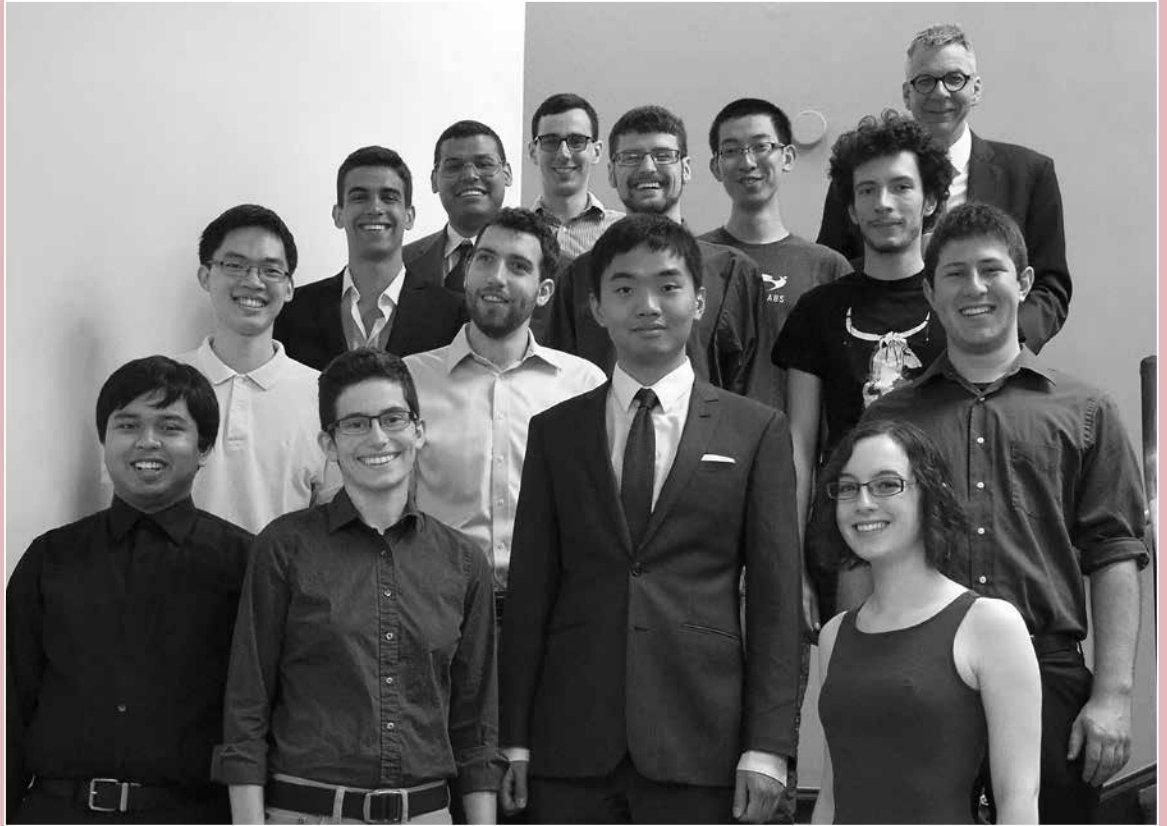
Research supervisor: Marin Soljačić

The Joel Matthew Orloff Awards were established by Dr. and Mrs. Daniel Orloff in memory of their son Joel, a physics major, who died in an automobile accident shortly after graduation from MIT in 1978. One thousand dollars is awarded to each of several physics majors in the following three categories:

Scholarship—given to the student with either the highest GPA in physics courses or, if a tie, the highest overall GPA.

Research—given to the student with the most outstanding senior thesis.

Service—given to the student with the most outstanding service to the Department, Institute, or community.



2016 Sigma Pi Sigma inductees.

2016 Sigma Pi Sigma Inductees

Kamphol Akkaravarawong
Saleem Aldajani
Brent Belland
William Conway
Matthew DeCross
Arthur Delarue
Diptarka Hait
Yijun Jiang
Songtai Li

Kuan-Yu Lin
Francisco Machado
Megan Mansfield
Emilio Pace
Anirudh Prabhu
Yihui Quek
Nicholas Rivera
Sarah Warkander
Hengyun Zhou

Student Honors & Awards



2016 Phi Beta Kappa inductees.

2016 Phi Beta Kappa Inductees

Kamphol Akkaravarawong
Brent Belland
William Conway
Matthew DeCross
Arthur Delarue
Tessa Green
Diptarka Hait
Yijun Jiang

Songtai Li
Francisco Machado
Megan Mansfield
Emilio Pace
Anirudh Prabhu
Yihui Quek
Nicholas Rivera
Hengyun Zhou

Other Undergraduate Awards & Honors

Alex Dalzell (SB '17. Academic advisor: Michael Williams) received the 2016 Harold J. Pettegrove Award in recognition of outstanding service to intramural athletics at MIT.

Francisco (Paco) Holguin (SB '16. Thesis advisor: Abhay Ram) received the Peter and Sharon Fiekowsky Award for Excellence in Teaching from MIT's Experimental Study Group (ESG). Paco was a member of the ESG's freshman learning community when he arrived at MIT, and he has been a teaching assistant in the ESG for 8.01 and 8.02 for the past three years.

Megan Mansfield (SB '16 *Physics & Earth, Atmospheric & Planetary Sciences*. Thesis advisor: Amanda Bosh) received the Christopher Goetze Prize for Undergraduate Research from MIT EAPS for her thesis research on analyzing Pluto's light curve to detect volatile transport.

Jessica Pointing (SB '18. Thesis advisor: Max Tegmark) was named a Google Anita Borg Memorial Scholar in recognition of her strong academic record, leadership and passion for computer science and related technical fields; a Microsoft Scholar for academic excellence and leadership; a Goldman Sachs Scholarship for Excellence Scholar; a Morgan Stanley Richard B. Fisher Scholar for exceptional academic achievement; and a Society of Women Engineers Scholar for demonstrating outstanding academic achievement.



Student Honors & Awards



The following graduate award recipients for the 2014-15 academic year were announced in September 2014. The winners of the 2015-16 awards will be published in the Fall 2017 issue of physics@mit.

2015 Henry Kendall Teaching Awards

The Kendall Awards are given semi-annually to graduate student Teaching Assistants (TAs), whose teaching work for the department is considered outstanding and beyond that which is expected of a good TA. The award carries a prize of \$1,000.

September 2015 Award Recipients

Benjamin Elder (Theoretical Nuclear & Particle Physics. Thesis supervisor: Washington Taylor) "For going far beyond the call of duty in 8.251, offering weekly recitations when students asked, even though this was not part of his formal responsibilities."

Nikhil Raghuram (Theoretical Nuclear & Particle Physics. Thesis supervisor: Washington Taylor) "For being generous with his time, patient with his students, and holding legendary office hours for 8.01 and 8.02."

2015 Buechner Student Teaching Prize

Daniel Kolodrubetz Theoretical Nuclear & Particle Physics
Thesis supervisor: Iain Stewart

Awarded to a graduate student for outstanding contributions to the educational program of the Department during the past academic year. The \$1,000 prize was established in 1987 by the late Mrs. Christina Buechner in memory of her husband Prof. William Buechner, who served as Physics department head from 1962-67.

2015 Martin Deutsch Student Award

For Excellence in Experimental Physics

Benjamin Jones Experimental Nuclear & Particle Physics
Thesis supervisor: Janet Conrad

Awarded to a graduate student in the mid-course of research for study in any area of physics, with preference given to experimental physics. The award was created in honor of Professor Martin Deutsch's outstanding contributions to Nuclear Physics as an educator and researcher and

currently carries a prize of \$1,000.outstanding contributions to Nuclear Physics as an educator and researcher and currently carries a prize of \$1,000.

2015 Andrew M. Lockett III Memorial Fund Award

Ian Moul Center for Theoretical Physics

Thesis supervisor: Iain Stewart

Awarded to a graduate student in theoretical physics, with preference given to students from Los Alamos, NM, and New Orleans, LA. The award currently carries a prize of \$1,000. The award was established by Mrs. Lucille Lockett Stone in memory of her husband, Dr. Andrew M. Lockett, who received his Ph.D. in physics from MIT in 1954.

2015 Sergio Vazquez Prize

Marjon Moulai Experimental Nuclear and Particle Physics

Thesis supervisor: Janet Conrad

Established in memory of Sergio Vazquez, a graduate student in the Center for Theoretical Physics who was killed in an automobile accident on April 1, 1990. \$1,000 to be awarded annually to a graduate student with preference for a student from an underrepresented sector of the population who had to overcome racial, physical or financial barriers.

Other Graduate Honors & Awards

Kristin Beck (Atomic Physics. Thesis supervisor: Vladan Vuletic) received a Special Award for Distinguished Service to the Physics Department for her crucial role in serving as liaison between MIT Physics and the staff of Turner Construction during planning and construction of the MIT.nano, Building 12. She was also awarded a Joint Quantum Institute Postdoctoral Fellowship at the University of Maryland, beginning this Fall 2016.

Michael Rosenberg (Plasma Physics. Thesis supervisors: Miklos Porkolab, Richard Petrasso) received the 2016 Marshall N. Rosenbluth Outstanding Doctoral Thesis Award of the American Physical Society's Division of Plasma Physics.