2010 Barrett Prize
**William Throwe** SB ’10

Thesis supervisor: Scott Hughes

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.

2010 Malcolm Cotton Brown Award
**Albert Lee** SB ’10

Thesis supervisor: Gabriella Sciolla

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.
2010 Burchard Scholar

Dora Gao SB’11

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.

2010 Philip Morse Memorial Award

Achilleas Porfyriadis SB’10

Thesis supervisor: Frank Wilczek

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.
2010 Joel Matthew Orloff Awards

Scholarship
William Throwe SB ’10
Thesis supervisor: Scott Hughes

Research
John Sebastian Pineda SB ’10
Thesis supervisors: Adam Burgasser, Andrew West

Service
Sara Campbell SB ’10
Thesis supervisor: Martin Zwierlein

Sukrit Ranjan SB ’10
Academic advisor: Paul Schechter

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.
2010 Sigma Pi Sigma inductees with Department Head Prof. Ed Bertschinger (back row, center left) and Undergraduate Major Coordinator Prof. David Pritchard (back row, center right)

2010 Sigma Pi Sigma Inductees

Philip Engel  John Kim  Sukrit Ranjan  Eric Timmons
David Farhi  Yi Hong Kuo  Kristiana Schneck  Bohua Zhan
Cai GoGwilt  YingHsuan Lin  Charmaine Sia  Harley Zhang
Aditya Joshi  Achilles Porfyriadis  William Throwe  

2010 Phi Beta Kappa inductees with Department Head Prof. Ed Bertschinger (back row, center right) and Undergraduate Major Coordinator Prof. David Pritchard (back row, center left)

2010 Phi Beta Kappa Inductees

Philip Engel  John Kim  Sukrit Ranjan  Eric Timmons
David Farhi  Yi Hong Kuo  Kristiana Schneck  Bohua Zhan
Cai GoGwilt  YingHsuan Lin  Charmaine Sia  Harley Zhang
Aditya Joshi  Achilles Porfyriadis  William Throwe  

Other Undergraduate Honors & Awards

Maria Monks (SB ’10, Mathematics and Physics) was awarded a 2010 Hertz Foundation Fellowship; and a 2010 Churchill Scholarship.

Ian Rousseau (SB ’10) was awarded a 2010–2011 Fulbright scholarship to study “novel solar energy conversion via terahertz rectification” in Germany.

Vinay Ramasesh (SB ’12) was awarded a 2010 Xerox Technical Minority Scholarship.
2010 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 $750.00. The February 2010 award recipients were:

**Burak Alver** (Experimental Nuclear & Particle Physics. Thesis supervisor: Gunther Roland) for “giving 8.13 students the confidence to go ahead and explore on their own what he taught them.”

**Nabil Iqbal** (Theoretical Nuclear & Particle Physics. Thesis supervisor: Hong Liu) for “doing a fantastic job working with students in 8.01.”

**Daniel Park** (Theoretical Nuclear & Particle Physics. Thesis supervisor: Hong Liu) for “doing an excellent job of teaching the 8.321 recitation, including planning its content.”

**Robyn Sanderson** (Theoretical Astrophysics. Thesis supervisor: Ed Bertschinger) for “doing everything asked and more in 8.02, including dealing with the unexpected.”
The following graduate award recipients for the 2008–09 academic year were announced in September 2009. The winners of the 2009–10 awards will be published in the Fall 2011 issue of physics@mit.

2009 Buechner Teaching Prize
Adrian Liu  Theoretical Astrophysics
Thesis supervisor: Max Tegmark
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.

2009 Martin Deutsch Student Award
For Excellence in Experimental Physics
Georgia Karagiorgi  Experimental Nuclear & Particle Physics
Thesis supervisor: Janet Conrad
André Schirotzek  Atomic Physics
Thesis supervisors: Martin Zwierlein, Wolfgang Ketterle
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.

2009 Andrew M. Lockett III Memorial Fund Award
Wing-Ho Ko  Hard Condensed Matter Theory
Thesis supervisor: Patrick Lee
Sergey Syritsyn  Nuclear & Particle Theory
Thesis supervisors: John Negele, 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.
Other Graduate Honors & Awards

Patrick Brown (Experimental Condensed Matter Physics. Thesis supervisors: Vladimir Bulovic, Pablo Jarillo-Herrero) received a 2010 Hertz Foundation Fellowship; and a National Science Foundation Fellowship.

David Gosset (Theoretical Nuclear & Particle Physics. Thesis supervisor: Edward Farhi) received a National Science and Engineering Research Council of Canada Fellowship.


Teppo Tapani Jouttenus (Theoretical Nuclear & Particle Physics. Thesis supervisor: Iain Stewart) received a Large Hadron Collider Theory Initiative Fellowship.

Georgia Karagiorgi (Experimental Nuclear & Particle Physics. Thesis supervisor: Janet Conrad) received a 2009 AWIS Educational Foundation Predoctoral Certificate of Merit.

Brian Kardon (Plasma Physics. Thesis supervisors: Jay Kesner, Miklos Porkolab) received a National Science Foundation Fellowship.

Kenneth MacLean (Experimental Condensed Matter Physics. Thesis supervisor: Marc Kastner) won the American Physical Society’s 2010 FIAP (Forum on Industrial and Applied Physics) Best Student Paper Award.


Rebecca Sobel (Astrophysics. Thesis supervisor: Paul Schechter) received a National Science Foundation Graduate Fellowship.

Michelle Tomasik (Experimental Condensed Matter Physics. Thesis supervisor: Eric Hudson) received a National Science Foundation Graduate Fellowship.

Beni Yoshida (Atomic Physics. Thesis supervisor: Isaac Chuang) was awarded a Nakajima Foundation Fellowship.