

Student Honors & Awards

(UNDERGRADUATE)



2001 Barrett Prize winner *C. Adam Reynolds*
with Mrs. Alan H. (Virginia) Barrett.



2001 Brown Prize winner
Margaret W. Pan



2001 Morse Award winner
Aram W. Harrow

2001 Barrett Prize For Excellence in Astrophysics

C. Adam Reynolds SB '01

Thesis advisors: Ed Bertschinger, Ali Nayeri

The Award honors the late Professor Alan H. Barrett's outstanding influence in the education of physicists and his fundamental contributions to the science and technology of astrophysics. The fund, established by students, friends, relatives, and colleagues of Alan H. Barrett, currently provides a prize of \$1,000.

2001 Malcolm Cotton Brown Award

Margaret W. Pan SB '01

Thesis advisor: Tom Greytak

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.

2001 Philip Morse Memorial Award

Aram W. Harrow SB '01

Thesis advisor: Neil Gershenfeld

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.

Photos: Graham G. Ramsay

Student Honors & Awards



2001 Orloff Award winners *Bilge Demirköz (Service) and Till Rosenband (Research) with Department Head Marc A. Kastner.*
Not pictured: *John B. Hough (Scholarship)*



2001 Sigma Pi Sigma Inductees Front row: *J. Chandalia, A. Sundquist, C.P. Nave, P. Surcek, A.J. Copete Villa.* Middle row: *Prof. M.A. Kastner, M.H. Jhon, A.W. Harrow, M.J. Ring, M.W. Pan, Prof. D. Pritchard.* Top row: *T. Rosenband, J.R. Viereg*

2001 Orloff Awards

Scholarship

John B. Hough SB '01

Thesis advisor: June Matthews

Research

Till Rosenband SB '01

Thesis advisor: Wolfgang Ketterle

Service

Bilge Demirköz SB '01

Thesis advisor: Ulrich Becker

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.

2001 Sigma Pi Sigma Inductees

Juhi Chandalia	Mark H. Jhon	Till Rosenband
Pok Man Cheung	Joannes Muelmenstaedt	Andreas Sundquist
Antonio J. Copete Villa	Cody P. Nave	Peter Svrcek
Aram W. Harrow	Margaret W. Pan	Jeffrey R. Vieregg
John B. Hough	Michael J. Ring	Gabe Weinberg

2001 Phi Beta Kappa Inductees

Chi Ming Chen	Mark H. Jhon	Andreas Sundquist
Pok Man Cheung	Cody P. Nave	Jeffrey R. Vieregg
Antonio J. Copete Villa	Margaret W. Pan	Gabe Weinberg
Aram W. Harrow	Michael J. Ring	
John B. Hough	Brian D. Smithling	

Other undergraduate awards

Abhinav Kumar (SB '02) won two awards at the annual **William Lowell Putnam math competition**: a medal for individual achievement, with a cash award of \$2,500, and a cash prize of \$800 as a member of the MIT team, which ranked 2nd overall. The Putnam competition is an annual math contest for college undergraduates across the U.S., with an average of 2,500 participants each year. Kumar was also named a **Putnam Fellow** for ranking within the top five of this year's winners.

Ian Parrish (SB '02 physics/nuclear engineering. Thesis advisor: Jeffrey Friedberg) received the **Irving Kaplan Award** of the Department of Nuclear Engineering. The award is given annually to the most outstanding junior majoring in nuclear engineering.

Alex Wissner-Gross (SB '03 physics/math. Thesis advisor: Boleslaw Wyslouch) has been named a **2001 Barry M. Goldwater Scholar**, a \$15,000 scholarship award. The Scholars are selected by the Barry M. Goldwater Scholarship and Excellence in Education Foundation on the basis of academic merit from a field of top American mathematics, science, and engineering students and is considered the premier national undergraduate honor of its kind. Also this year, Wissner-Gross was awarded a U.S. patent in nanofabrication technology and is scheduled to receive an award from the MITRE Corporation for his innovative work. Wissner-Gross, a winner of the 1999 Intel Science Talent Search and a Young Inventors' Hall of Fame inductee, is Vice President of MIT's Society of Physics Students.

Terri Yu (SB '02) received the **IBM/American Physical Society Research Internship Award**, part of a program to encourage women and under-represented minorities to pursue technical careers. The award includes a \$2,500 cash prize and a paid summer internship at IBM's Almaden Research Center.

Student Honors & Awards

(GRADUATE)

2001 Buechner Teaching Prize

Stephen E. Korbly Plasma physics

Thesis advisor: Richard Temkin

Awarded to a student for outstanding contributions to the educational program of the Department of Physics. The prize was established in 1987 by Mrs. Christina Buechner in memory of her husband, Professor William Buechner, who served as chairman of the Physics Department from 1962-1967. The prize includes a certificate and a cash award of \$1,000.

2001 Deutsch Award

For Excellence in Experimental Physics

Ivan K. Furic Experimental high-energy physics

Thesis advisor: Christoph Paus

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.

2001 Lockett Award

For Excellence in Theoretical Physics

Walter Rantner Condensed matter theory

Thesis advisor: Xiao-Gang Wen

Awarded to a graduate student in theoretical physics. The award was established in memory of Andrew M. Lockett, who received his Ph.D. in physics from MIT in 1954. The award currently carries a prize of \$1,000.

2001 Vazquez Graduate Award

For Distinguished Research in Any Area of Physics

Grum Teklemariam Theoretical physics

Thesis advisors: Edward Farhi, David Cory

Awarded to a graduate student in the Department of Physics, with preference given to students from an under-represented sector of the population, who may have had to overcome racial, physical or financial barriers. The award was established in memory of Sergio Vazquez, a graduate student in the MIT Center for Theoretical Physics, who was killed in an automobile accident in April 1990. The award currently carries a prize of \$1,000.

Other graduate awards

Rebecca Christianson (Ph.D. '01 Experimental condensed matter physics. Thesis advisor: Robert J. Birgeneau) was one of three winners of the annual \$1,000 **Scharff-Goldhaber Prize**, awarded by Brookhaven Women in Science (BWIS) to recognize women graduate students in physics of substantial promise and accomplishment who are performing thesis research at the U.S. Department of Energy's Brookhaven National Laboratory. The prize honors the late nuclear physicist Gertrude Scharff-Goldhaber, the first woman Ph.D. physicist appointed to the Brookhaven staff, and a founding member of BWIS.

Yang-Hui He (Theoretical physics. Thesis advisor: Ami Hanany) was named a **Superstrings 2000 Scholar** of the Clay Mathematics Institute.

Justin Kasper (Astrophysics. Thesis advisor: Alan Lazarus) received an **Outstanding Student Paper Award** for his presentation at the Fall 2000 meeting of the American Geophysical Union, entitled "Observations of Shock-associated, Sunward-flowing Ions."