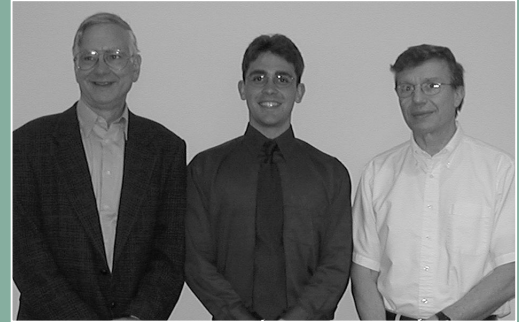


Student Honors & Awards

(UNDERGRADUATE)



2003 Malcolm Cotton Brown Award winner
Alex Wissner-Gross with Undergraduate Major Coordinator Prof. David E. Pritchard (left) and Associate Department Head for Education Prof. Tom Greytak (right).



2003 Philip Morse Memorial Award winner
Philip Schuster with Undergraduate Major Coordinator Prof. David E. Pritchard (left) and Associate Department Head for Education Prof. Tom Greytak (right).

2003 Malcolm Cotton Brown Award

Alexander Wissner-Gross SB '03

Advisors: Bolek Wyslouch, Alexander van Oudenaarden

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.

2003 Burchard Scholars

Morgan Sonderegger '04 (Physics and Mathematics)

Daniel Stein '05 (Physics and Electrical Engineering and Computer Science)

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.

2003 Philip Morse Memorial Award

Philip Schuster SB '03

Thesis advisor: Robert Jaffe

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: Brian Canavan

Student Honors & Awards



2003 Orloff Award winner for Scholarship David B. Starr (front left) with Jeremy Orloff (far left), Undergraduate Major Coordinator Prof. David E. Pritchard, Associate Department Head for Education Prof. Tom Greytak, Kathi Orloff, and Jeremy's son Joel Orloff (front right).



2003 Orloff Award winner for Research Jeffrey B. Brock (front left) with Jeremy Orloff (far left), Undergraduate Major Coordinator Prof. David E. Pritchard, Associate Department Head for Education Prof. Tom Greytak, Kathi Orloff, and Jeremy's son Joel Orloff (front right).



2003 Orloff Award winner for Service Terri M. Yu (front left) with Jeremy Orloff (far left), Undergraduate Major Coordinator Prof. David E. Pritchard, Associate Department Head for Education Prof. Tom Greytak, Kathi Orloff, and Jeremy's son Joel Orloff (front right).

2003 Joel Matthew Orloff Awards Scholarship

David B. Starr SB '03

Thesis advisor: Christoph Paus

Research

Jeffrey B. Brock SB '03

Thesis advisor: Isaac Chuang

Service

Terri M. Yu SB '03

Advisors: Frank Wilczek, Isaac Chuang

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.

Photos: Brian Canavan



2003 Sigma Pi Sigma Inductees with Undergraduate Major Coordinator Prof. David E. Pritchard (back row, far left) and Associate Department Head for Education Prof. Tom Greytak (front row, far right).

2003 Sigma Pi Sigma Inductees

Raag Airan	Stephen Hou	Megha Padi	David Starr
Maya Chandru	Michael Jura	Justin Paluska	Patrik Sundberg
Zilong Chen	Ryan Lang	James Pate	Natalia Toro
Krzysztof Fidkowski	Philippe Larochelle	Matthew Powell	Ketan Vyas
Adam Granich Unikowsky	Stefanos Marnerides	Mikael Rechtsman	Alexander Wissner-Gross
Jianwen Gu	Eugene Motoyama	Philip Schuster	Terri M. Yu

2003 Phi Beta Kappa Inductees

Raag Airan	Michael Jura	Justin Paluska	Natalia Toro
Alan Asbeck	Ryan Lang	James Pate	Ketan Vyas
Maya Chandru	Philippe Larochelle	Matthew Powell	Alexander Wissner-Gross
Krzysztof Fidkowski	Sing Your Li	Mikael Rechtsman	Terri M. Yu
Adam Granich Unikowsky	Stefanos Marnerides	Philip Schuster	
Jianwen Gu	Eugene Motoyama	David Starr	
Stephen Hou	Megha Padi	Patrik Sundberg	

Other Undergraduate Honors & Awards

Phil Larochelle (SB '03 Physics. Thesis advisor: Thomas J. Greytak) won the **2002–03 North American Debating Championships**, and finished 1st place in the cumulative Speaker of the Year Rankings for the same organization.

Alex Wissner-Gross (SB '03 Physics/Electrical Engineering/Mathematics. Advisors: Bolek Wyslouch, Alexander van Oudenaarden) was named a **Fannie and John Hertz Foundation Fellow** and offered a **British Marshall Scholarship**. He also received the **Henry Ford II Scholar Award** from the MIT School of Engineering. The award is given annually to a senior engineering student who has maintained a perfect cumulative average and considered to possess exceptional potential for leadership in the profession of engineering and in society.

Terri M. Yu (SB '03 Physics/Electrical Engineering & Computer Science. Thesis advisors: Frank Wilczek, Isaac Chuang) was awarded a **National Defense Science and Engineering Graduate Fellowship**, a three-year fellowship covering tuition and stipend for graduate study.

(GRADUATE)

2003 Barrett Prize For Excellence in Astrophysics

Stefan Ballmer Theoretical Astrophysics

Thesis advisor: Erik Katsavounidis

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.

2003 Buechner Teaching Prize

Brice C. Smith Biophysics

Thesis advisor: George Benedek

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 1962–67. The prize includes a certificate and a cash award of \$1,000.

2003 Martin Deutsch Student Award For Excellence in Experimental Physics

Aaron E. Leanhardt Atomic Physics

Thesis advisors: David Pritchard, 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.

2003 Andrew M. Lockett III Memorial Fund Award

Andrew Childs Center for Theoretical Physics

Thesis advisor: Edward Farhi

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 PhD in physics from MIT in 1954.

2003 Sergio Vazquez Prize

Qudsia Jabeen Ejaz String Theory

Thesis advisor: Barton Zwiebach

Awarded to a graduate student in the MIT 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 Honors & Awards

Ronak Bhatt (Plasma Physics. Thesis advisors: Richard Temkin, Chiping Chen) received a **William L. Stewart Jr. award** for contributions by an individual student or student organization to extracurricular activities and events during the preceding year.

Jeff Bowers (Center for Theoretical Physics. Thesis advisor: Krishna Rajagopal) was one of two recipients of the Institute's **2003 Goodwin Medal for "conspicuously effective teaching by a graduate student."**

David Chan (Condensed Matter Theory. Thesis advisor: John D. Joannopoulos) was awarded a **Croucher Scholarship**, funded by the Croucher Foundation, a Hong Kong-based charitable institution. This award includes full tuition and stipend for a three-year period.

Jessie Shelton (Center for Theoretical Physics. Thesis advisor: Washington Taylor IV) was one of 25 American graduate students nationwide selected by the U.S. Department of Energy's Office of Science to attend the **53rd Annual Meeting of Nobel Laureates** in Lindau, Germany, this summer.

Xiaochao Zheng (Experimental Nuclear Physics. Thesis advisor: William Bertozzi) was the winner of the **2002 SURA Thesis Prize** competition, awarded by the Thomas Jefferson National Accelerator Facility (JLab). The prize includes an invited talk at JLab and a \$1,000 cash award.