

Department of Electrical Engineering and Computer Science

Department leadership has remained stable over the past year, with Eric Grimson serving as department head, Duane Boning and Srinivas Devadas serving as associate department heads, George Verghese serving as education officer, Terry Orlando serving as graduate officer, and Agnes Chow serving as administrative officer. Professor Arthur Smith continues to serve as the undergraduate officer but plans to step down at the end of the academic year; the department is in the process of selecting a replacement. After 35 years of service, Marilyn Pierce retired as the graduate administrator for the department and has been ably replaced by Janet Fischer. Debbie Deng has recently stepped down as fiscal officer and will be replaced by Jarina Shrestha. Other significant changes in departmental staffing include professor Martin Schmidt assuming the position of associate provost and professor Barbara Liskov being named an Institute Professor and assuming the position of associate provost.

Departmental activities over the past year, in addition to traditional foci on research, teaching, and student supervision, include a range of efforts in outreach and globalization and a continuing major initiative in undergraduate curriculum reform.

Despite national trends in declining enrolments in computer science and in electrical engineering, our department's enrolments have stabilized over the past few years. At the graduate level, we continue to see significant interest in the department, with more than 2,400 applications, of which only about 160 were offered admission. At the undergraduate level, the number of new majors per year has stabilized at 200 to 225. In support of strengthening interest in the fields, we continue to reach outside the Department in a variety of ways. Our Women's Technology Program (<http://wtp.mit.edu/>) for high school women from across the country just completed its seventh summer. The number of young women passing through this program who choose to pursue engineering careers is remarkably high. Of the 226 students who participated in the program from 2002 to 2007, 97 chose to attend MIT. Moreover, of the 177 who have declared majors, 95 are majoring in engineering or computer science, and an additional 47 are majoring in science or mathematics. We expect to see similar numbers for the class of 2008 who will be applying to colleges in the fall.

The department continues to support several very active student groups at both the graduate and undergraduate levels; many are actively involved in outreach endeavors. These student groups include Eta Kappa Nu at the undergraduate level (<http://hkn.mit.edu/>), the Graduate Student Association (GSA) for graduate students (<http://web.mit.edu/eecsgsa/www/>), and GW6 for women graduate students (<http://scripts.mit.edu/~gw6/www/>). These groups initiate a range of activities, many focused on mentoring and community building within the department, as well as outreach programs. Recent student surveys indicate a marked increase in student approval of the atmosphere within the department. In a related vein, we continue to support the EECS REFS program (<http://projects.csail.mit.edu/eecsrefs/index.php>), a student-run mediation system for helping students deal with conflicts and other difficulties in their professional and personal lives. The department also sponsors a wide selection of student-initiated outreach programs, including the Women's Initiative, a program in

which some of our women undergraduates speak at middle schools around the country about the excitement and opportunities in EECS.

The department is also actively engaged in developing opportunities for global experiences by our students and faculty. On the basis of recommendations from a committee chaired by Victor Zue, the department has established several activities to support global exchanges. Ongoing activities include a large number of EECS students participating in MIT International Science and Technology Initiatives (MISTI) activities, based in part on direct departmental support for MISTI; student exchanges with Cambridge, Singapore, and Taiwan; and curricular outreach through Open Course Ware. We have also expanded our VI-A internship program to include an international element, with students taking internship positions in China, India, France, and England, and with several other opportunities under active discussion. We have also developed plans to enable faculty from international institutions, initially in India and China, to spend time in our department observing our teaching methods and interacting with our faculty and students to learn best practices for effective educational delivery.

A continuing major initiative of the department is its new undergraduate curriculum. Based on an extensive three-year effort by our Curriculum Innovation Committee, chaired by Tomas Lozano-Perez, the department launched a full version of its curriculum for students entering as freshmen in fall 2007. Monitoring and evolution of the curriculum is the responsibility of our Committee on Undergraduate Teaching and Curriculum, chaired by Dennis Freeman. In addition to two new introductory courses that have been successfully launched, pilot versions of four new foundational courses have been successfully tested. The department will continue to assess these courses and refine the curriculum to meet the emerging needs of our students.

Graduate fellowships remain an area of concern for the department. Through a series of fundraising efforts, we have created several new fellowships. The first expendable fellowship is named in honor of Marilyn Pierce, who retired after 35 years of service as our graduate administrator. Two additional fellowships, one honoring a deceased faculty member and the other honoring a senior faculty member, are about to be launched. We have also awarded the first two endowed graduate fellowships—the E. E. Landsman Graduate Fellowships—with a focus on power electronics and affiliated fields. This year saw the inaugural awarding of the Irwin Mark Jacobs and Joan Klein Jacobs Presidential Fellowships, which created 15 endowed fellowships for EECS students interested in communications, networks, and affiliated fields. While these new fellowships provide means for attracting new students, the department still needs additional graduate support and continues to seek other opportunities for creating fellowships to support its graduate program.

EECS research is carried out in the set of affiliated laboratories: Computer Science and Artificial Intelligence Laboratory (CSAIL), Research Laboratory of Electronics (RLE), Microsystems Technology Laboratories (MTL), Laboratory for Information and Decision Systems (LIDS), and Laboratory for Electromagnetic and Electronic Systems (LEES). Details of research achievements within these units are described in their separate reports. EECS graduate students working in one of these labs are further assigned to a departmental research area, which is responsible for monitoring their academic progress:

Area I: Systems, Communication, Control and Signal Processing: Munther Dahleh, chair

Area II: Computer Science: Seth Teller, chair

Area III: Electronics, Computers, and Systems: David Perreault, chair

Area IV: Energy and Electromagnetic Systems: Leslie Kolodziejski, chair

Area V: Materials and Devices: Leslie Kolodziejski, chair

Area VII: Bioelectrical Engineering: Louis Braidà, chair

Service Awards

A School of Engineering Infinite Mile Award for excellence was presented to Sue Patterson, a LIDS staff member. Lucille O’Hehir and Helen Schwartz, both staff members of EECS headquarters, shared the Richard J. Caloggero Award for loyal dedication to the department, which was presented at the EECS annual spring awards event. Laura B. Doughty and Lourenco Pires were inducted into the Quarter Century Club.

Women’s Technology Program

This summer marked the seventh year of the Women’s Technology Program (WTP) in EECS. Forty students were selected from an applicant pool of 219 female 11th-grade high school students from across the country; participants hail from 18 states. The WTP high school students are all top math and science performers who are not yet committed to pursuing engineering or computer science; WTP gives them an opportunity to learn more about their aptitude for these fields, shows them some of the exciting research being done here at MIT, and allows them to explore the MIT community. For four weeks, the WTP-EECS students take hands-on lab-based college level classes in electrical engineering, computer science, and discrete mathematics—all designed and taught by a dedicated staff of MIT graduate and undergraduate women students. Five of this summer’s WTP-EECS staff attended WTP when they were in high school. Collaboration with the Department of Mechanical Engineering also continued this year with the 20-student WTP-ME curriculum track. Of the 226 WTP-EECS college-age alumnae from 2002–2007, 25 have graduated from MIT and another 72 will be enrolled as MIT students in September 2008; the rest are pursuing engineering and science majors at top colleges around the country. The summer 2008 WTP students are now rising high school seniors and will apply to colleges in fall 2008.

VI-A Internship

The Department’s VI-A Internship Program is in its 91st year. The VI-A International Internship Program is in its third year, with seven students in Beijing and Shanghai, China, at Analog Devices, Google, and Microsoft Research Asia. Fifty-eight students applied to VI-A for summer 2008 positions at 18 participating companies. Thirty-three students were selected as members of the incoming VI-A class. Currently, there are 27 undergraduates and 24 MEng students in the program. The VI-A MEng program provides leading-edge technology thesis opportunities with a full calendar year of tuition support for all VI-A MEng students that is company funded by the VI-A Fellowship Program. Since the last report, approximately four students have withdrawn

from the VI-A Internship Program, as they thought their needs were better matched with the opportunities available on campus. However, most VI-A students continue to find the program professionally rewarding. Participating companies continue to offer challenging and well-mentored assignments with leading edge technology MEng thesis topics. We hope these improved thesis opportunities and funding will result in an increase in EECS student applicants to the VI-A Internship Program.

VI-A recently lost two champions of the program: Professor J. Francis Reintjes and John Tucker. Professor Reintjes passed away on February 21, 2008. He was the fourth director of the VI-A Cooperative (Internship) Program 1960–1969 and acting director 1993–1994. John Tucker passed away on March 22, 2008. John was the fifth VI-A director, 1969–1987, and was director emeritus of the VI-A Program, 1989–2002.

Through the generosity of Professor Emeritus J. Francis Reintjes, the J. Francis Reintjes Excellence in VI-A Industrial Practice Award was established. This award was presented at the EECS Spring Awards Ceremony in May 2008 to two outstanding VI-A students, Doris Lin (Analog Devices) and Jason Furtado (Draper Laboratory). They demonstrated outstanding performance in their VI-A work assignments. The following awards were also presented at the EECS Spring Awards Ceremony: The George C. Newton UG Lab Prize, fall 2007 6.11 first place was awarded to Zhen Li (Linear Technology) and Brian Wong (Google, Beijing); Michael Robbins (Draper Laboratory) received the William L. Everitt Student Award of Excellence by the International Engineering Consortium. Wendi Li (Linear Technology) received the Laya Wiesner Community Award at the May 2008 MIT Awards Convocation. The following VI-A students were inducted into Phi Beta Kappa for excellence in academic achievement and scholarly attainment: Nivedita Chandrasekaran (Lincoln Laboratory), Jeremy Hurwitz (Google), and Huy Nguyen (Google). Marta M. Luczynska (Lincoln Laboratory, MEng 2007) was elected to a five-year term as a member of the MIT Corporation.

During the past year, three new companies joined the VI-A Program. Analogic in Peabody, Massachusetts, has two students on their first assignments; Medtronic in Minneapolis, Minnesota, has one student on her first assignment; and Microsoft Research Asia in Beijing, China, has two students on their first assignments. There have been numerous inquiries from companies interested in the VI-A Program, and we hope we can obtain new members in the near future as well as increase the number of applicants, positions, and participants in the VI-A MEng program.

Graduate Program

In September 2007, 844 graduate students were enrolled in the department. About 38% of them are foreign nationals. The department supported 507 research assistants and 112 teaching assistants. In addition, there were 123 two-term fellowships, including 39 National Science Foundation Fellows and 21 Department of Defense Fellows. The remaining students had partial support or used their own funds. During academic year 2007–2008 the Department awarded 77 MS degrees and 103 PhD degrees. The department received 2,455 applications for the 2007–2008 year, a slight decrease from 2006; 164 were admitted for the year, which resulted in 105 new graduate students registering in September.

Undergraduate Program

Enrollment of undergraduates averaged 727 in 2007–2008, up 2.5% from 2006–2007, with 15% in the Electrical Engineering Program (Course 6-1), 41% in the Computer Science Program (Course 6-3), and 44% in the Electrical Engineering and Computer Science Program (Course 6-2). From the class of 2010, 215 students enrolled in Course 6. About 210 students from the class of 2011 have so far selected Course 6, a decrease of about 2%. The Master of Engineering (MEng) program entered its 14th year with an average of 156 students.

Faculty Notes

Faculty on sabbatical leave:

Rodney Brooks	9/07–5/08
Michael Ernst	1/08–5/08
William Freeman	9/07–5/08
Frans Kaashoek	1/08–5/08
Muriel Médard	1/08–5/08
Alan Oppenheim	9/07–5/08
Martin Schmidt	1/08–5/08
Charles Sodini	1/08–5/08
Bruce Tidor	9/07–5/08
Jacob White	1/08–1/09

Faculty on leave:

Shafriira Goldwasser	9/07–5/08
Charles Leiserson	9/07–5/08
Martin Rinard	1/08–5/08

Faculty on junior research leave:

Regina Barzilay	9/07–1/08
Frédo Durand	9/07–1/08
Dina Katabi	9/07–1/08
Samuel Madden	1/08–5/08
Pablo Parrilo	9/07–1/08
Vivek Goyal	9/07–1/08
Collin Stultz	9/07–1/08

The Department notes with sadness the passing of the following faculty:

Jin Au Kong, professor in the Department of Electrical Engineering and Computer Science and member of the Research Laboratory of Electronics. As professor of electrical engineering at MIT, Kong was chair of Area IV on Energy

and Electromagnetic Systems from 1984 through 2003 and became director of the RLE Center for Electromagnetic Theory and Applications in 1989.

Joseph Weizenbaum, professor emeritus of computer science at MIT. He was well known for his ELIZA program (created and developed in 1964 through 1965) that demonstrated natural language processing by engaging users in a conversation resembling that with an empathic psychologist. ELIZA was perhaps the first instance of a chatterbot program and is part of the folklore of computer science research. His 1976 book *Computer Power and Human Reason*, raised questions about the role of artificial intelligence and spurred debate about the role of computer systems in decision making for many years.

Since July 2007, three new members have joined the department:

Constantinos Daskalakis is an assistant professor of Electrical Engineering and Computer Science and a member of the Computer Science and Artificial Intelligence Lab. Constantinos (or Costis) Daskalakis grew up in Athens, Greece, where he received his undergraduate degree in electrical and computer engineering from the National Technical University of Athens. In 2004, he moved to California to pursue a PhD in computer science at the University of California, Berkeley, under the supervision of Professor Christos H. Papadimitriou. Costis's work has focused on computational game theory and applied probability, in particular the computation of equilibria in games, the study of social networks, and computational problems in biology. His research is motivated by two questions: "How does the algorithmic perspective influence economics, biology, physics, and the social sciences?" And "How does the study of computational problems arising from areas outside computer science transform the theory of computation?"

Armando Solar-Lezama is an assistant professor of electrical engineering and computer science and a member of the theory of computation and complexity theory groups. He holds a PhD in computer science from the University of California, Berkeley, and a bachelor's degree in math and computer science from Texas A&M University, where he also worked as a programmer writing massively parallel neutron transport simulations. His main interests include programming languages, compilers, and parallel computing. His broad agenda is to exploit the growing availability of computing power and formal methods to make programming easier.

Nickolai Zeldovich is an assistant professor in MIT's EECS Department and a member of CSAIL. He received his MEng and SB degrees from MIT and a PhD from Stanford University for his work on the use of information flow control in building secure systems. His current research interests focus on building practical secure systems, from operating systems and hardware, to networks and distributed systems, to programming languages and security analysis tools.

The Department hosted two visiting faculty this year: Professor Chen Ding, associate professor, University of Rochester; and Professor Sivan Toledo, associate professor in the School of Computer Science at Tel Aviv University.

Faculty Honors

2007–2008 was a stellar time for honors given to faculty, graduate, and undergraduate students. Below is a list of the awards (internal and external):

Anant Agarwal was chosen by the Association for Computing Machinery (ACM) as a fellow.

Tayo (Akintunde Ibitayo) Akinwande, was named an IEEE fellow for “contributions to the development of digital self-aligned gate technology and vacuum microelectronic devices.”

Arvind was elected to National Academy of Engineering membership. He was cited for “contributions to data flow and multithread computing and the development of tools for the high-level synthesis of hardware.”

Sangeeta Bhatia was one of five MIT faculty members to be named a Howard Hughes Medical Institute investigator. Bhatia and her colleagues have created small colonies of human liver cells that mimic aspects of the full-sized human liver. Her long-term goal in this research is to generate a complete implantable liver.

Joel Dawson was a recipient of a National Science Foundation Career Award.

Joel Dawson, Tomás Palacios, and Michael Stonebraker were awarded Deshpande grants.

Jesús del Alamo was named the new Donner Chair co-holder.

Erik Demaine won the Emerging Leadership Award in the second-annual Katayanagi Prizes in Computer Science. He is recognized in this award as a rising star in the area of theoretical computer science with interests in computational geometry, data structures, algorithms, and combinatorics.

Erik Demaine and Martin Demaine were among four groups of MIT artists featured at the Museum of Modern Art in New York City. The Demaines’ sculptures were part of the show titled “Design and the Elastic Mind,” featuring mathematically and algorithmically based origami.

Mildred Dresselhaus received the 2008 Alumni Medal from the University of Chicago. The highly esteemed (and infrequently bestowed) Alumni Medal was created in 1941 by the University of Chicago Alumni Association to recognize achievement of an exceptional nature in any field, vocational or voluntary, and covering an entire career. Dresselhaus was cited as “an internationally known physicist who has done groundbreaking research in condensed-matter physics and worked tirelessly to draw women to science and engineering.”

Mildred Dresselhaus was recipient of the American Association of Physics Teachers Oersted Medal “in recognition of her outstanding, widespread and lasting impact on the teaching of physics.”

Shafi Goldwasser has been named the 2008–2009 Athena Lecturer by the Association for Computing Machinery’s Committee on Women in Computing (ACM-W). She was cited by the ACM-W for her “outstanding research contributions to cryptography, complexity theory, and number theory.”

Judy Hoyt was named an IEEE fellow for “contributions to silicon-based heterostructure devices and technology.”

Franz Kaertner was named a fellow of the Optical Society of America (OSA) 2008. He was cited by the OSA for “pioneering contributions to femtosecond pulse generation and ultrafast nonlinear optics.”

Charles Leiserson and two former students, Matteo Frigo and Keith Randall, were selected for the ACM Programming Languages Design and Implementation Most Influential Paper Award for 2008.

Barbara Liskov was named MIT Institute Professor.

Barbara Liskov was winner of the ACM 2008 SIGPLAN Programming Languages Achievement Award.

Roger Mark was named an IEEE fellow for “development of physiologic signal databases and automated arrhythmia analysis.”

Muriel Médard was named an IEEE fellow “for contributions to wideband wireless fading channels and network coding.”

Silvio Micali was named co-holder of the Jackson Chair.

Asuman Ozdaglar was the 2008 winner of the Donald P. Eckman Award, given to the best control engineer younger than 35. In making this award, the American Automatic Control Council cited Ozdaglar “For contributions to optimization theory, game theory and its applications to congested markets, and learning in large networks with applications to human and social networks.”

Tomás Palacios has been awarded the DARPA Young faculty Award for his project “On-Wafer Integration of Nitride and Silicon CMOS Electronics.” This program, now in its second year, consists of a three-stage competitive process with the goal of identifying the “rising stars in university microsystems research” who have proposed research that is “innovative, speculative, and high-risk.”

Ronald Rivest was awarded the Marconi Prize.

Herbert H. Sawin (EECS and Chemical Engineering) received the C. Michael Mohr Outstanding Faculty Award for excellence in teaching in undergraduate subjects.

Jeffrey Shapiro is a recipient of the 2008 International Quantum Communication Award for outstanding achievements in quantum communication research. He shares this award with Akira Furusawa (University of Tokyo) and Anton Zeilinger (University of Vienna).

Jeff Shapiro is a recipient of the 2008 IEEE/LEOS Quantum Electronics Award, jointly with Northwestern professor Horace P. Yuen, MIT PhD 1970. As awardee, Shapiro is cited for “pioneering and seminal contributions to the theory of the generation, detection, and applications of novel states of light.”

Henry Smith was elected to the American Academy of Arts and Sciences.

Charlie Sodini and John Tsitsiklis were named the new holders of the LeBel Chair of Electrical Engineering.

Russell Tedrake was chosen as a Microsoft New Faculty Fellow 2008. This program was created in 2005 to honor first-, second-, and third-year university professors who demonstrate exceptional talent for unique research and thinking, showing leadership in computer science and related fields. He was recognized for his “focus on computational and machine-learning approaches to control system design for robots that walk, run, swim and fly more like real animals.”

Jacob White was named an IEEE fellow for “contributions to simulation tools for RF circuits, electrical interconnects, and micro machined devices.”

Mehmet Fatih Yanik was named one of *Technology Review's* 35 top innovators worldwide under the age of 35 for inventing a way to stop light pulses on a chip and release them at will.

Mehmet Fatih Yanik was among the top National Institutes of Health award winners for his plans “to develop microchip technologies to perform extremely fast studies of gene function in small animals to rapidly identify genetic targets for new drugs.”

Victor Zue received the International Speech Communication Association medal for scientific achievement at the opening ceremony of the Interspeech 2007 Conference on August 28 in Antwerp, Belgium.

The following faculty were inducted into the Quarter Century Club: David Gifford, Shafi Goldwasser, and Charles Sodini.

The following faculty received awards at the annual EECS Spring Awards ceremony held on May 18, 2008:

Marc Baldo: van Rennes Teaching Award

Vladimir Bulovic: HKN Best Instructor Award

Russell Tedrake: Jerry Saltzer Award

Tony Eng: EECS Department Head's Special Recognition Award

Eric Grimson: IEEE/ACM Award for Undergraduate Advising

Leslie Kaelbling: EECS Department Head's Special Recognition Award

Leslie Kolodziejski: EECS Department Head's Special Recognition Award

Terry Orlando: Graduate Students Association Counselor Award

Christopher Terman: Jamieson Prize for Excellence in Teaching

Ronald Rivest: Jamieson Prize for Excellence in Teaching

Student Awards

The following awards were presented to EECS students at the annual EECS Spring Awards Ceremony held on May 18, 2008:

Carlton E. Tucker Teaching Award for Teaching Excellence: Sarah Finney

Harold L. Hazen Teaching Award for Teaching Excellence: Laura Zager

Frederick C. Hennie III Teaching Award for Teaching Excellence: Taylor Barton

Department Teaching Award: Karim Liman-Tinguiri, Michael M. Haimes

George M. Sprowls Scholarship Fund for Outstanding PhD Thesis in Computer Science: Sergey Yekhanin, Andrew Sutherland, Jonathan Kelner, Ronny Krashinsky

Northern Telecom/BNR Project Award for Best 6.111 Laboratory Project Spring Term 2007: Robert Crowell, Lyric Doshi, Adam Lerer, Samuel Gross

Northern Telecom/BNR Project Award for Best 6.111 Laboratory Project Fall Term 2007: Yuta Kuboyama, Natalie Cheung, Edgar Twigg

Morris Joseph Levin Award for Best MasterWorks Oral Thesis Presentation: John Lee, Yasuhiro Shirasaki, SRK Branavan, Rick Cory

George C. Newton Undergraduate Laboratory First Place Prize for Fall Term 2007 in 6.111: Zhen Li, Bryan Morrissey, Brian Wong

George C. Newton Undergraduate Laboratory Second Place Prize for Spring Term 2007 in 6.131: Zackary Anderson

George C. Newton Undergraduate Laboratory Second Place Prize for Spring Term 2007 in 6.170: Raluca Ada Popa, Andre Wibisono, Anand R. Deopurkar, Alessandro Chiesa

David A. Chanen Writing Award: Igor Kopylov

Charles and Jennifer Johnson MEng Thesis Prize: first prize, John Jaesung Lee; first prize, Matthew M. Papi; second prize, Jeffrey B. Arnold

William A. Martin Memorial Master's Thesis Prize: first place, Rick Cory; second place, Shyamnath Gollakota

David Adler Memorial MEng Thesis Prize: first place, Vinith Misra; second place, Taylor W. Barton

Ernst A. Guillemin Master's Thesis Award: first place, Yuan Shen; second place, Natasa Blitvic; second place, Mahmut Ersin Sinangil

Lickliders UROP Prize: Margaret Leibovic

Robert M. Fano UROP Award: Kuant T. Yessenov

Arnold L. Nylander (1931) UROP Award: Gilberto Abram

Morais (1986) and Rosenblum (1986) UROP Award: Douglas Adams, Aaron Bernstein

Anna Pogoyants UROP Award: Irene Kaplow

J. Francis Reintjes Excellence in VI-A: Jason Furtado, Doris Lin

Department Head Special Recognition Award: Victor Costan

William L. Everitt Student Awards of Excellence: Michael F. Robbins, Lucia T. Tian

The following non-EECS awards were presented to EECS students:

MIT-CIMIT Medical Engineering Fellowship—This fellowship supports the work of MIT engineering students who wish to focus their graduate studies on highly innovative yet classically underfunded areas of health-care research: Olumuyiwa Ogunnika, Benjamin Rapoport

Gregory Tucker Memorial Prizes—In recognition of exceptional ability in performance and overall contribution to the Music and Theater Arts Section: Collin Johnson

Everett Longstreth Jazz Award—In recognition of distinguished service and musical contribution to the MIT Festival Jazz Ensemble: Aseem Kishore

Philip Loew Memorial Awards—In recognition of creative accomplishment in music: Jodie-Marie Fernandes

Ragnar and Margaret Naess Awards—In recognition of exceptional talent and commitment to private performance study as an Emerson Fellow: Crystal Chao, Elisabeth Hon Hunt, Yang Yang, Joey Zhou

Ragnar and Margaret Naess Award—In recognition of exceptional talent and commitment to private performance study as Exceptional Emerson String Scholars: Daniel Roy, Angela Yen

Ragnar and Margaret Naess Awards—In recognition of exceptional talent and commitment to private performance study as Exceptional Emerson Piano Scholars: Xiao Xiao

Edward S. Darna Awards—Presented to a graduating student who has demonstrated excellence in theater arts and made a substantial contribution to the health of theater life on the MIT campus: Maura Cordial

Laya and Jerome Wiesner Art Award for Choreography and Community Organization: Payal Agrawal

Public Service Center grants—For public service with underserved communities and organizations: Apostolos Fertis, Manish Bhardwaj, Bill Thies, Fawah Akwo, Guy-Richard Kayombya, Jules Walter, Justin Cannon, Mikala Streeter, Vidya Ganapati

The following EECS students were elected to Phi Beta Kappa: Gilberto Abram, Jongmin Baek, Raja Bobbili, Nivedita Chandrasekaran, TzeKwang Chin, Iolanthe Chronis, Xinpeng Huang, Jeremy Hurwitz, Nikhil Khanna, WonSik Kim, Pete Kruskall, Ziliang Lin, Nina Mann, Christopher N. Moh, Huy Nguyen, William Putnam, Katherine Romer, Adam Rosenfield, Aditi Shrikumar, Kah Seng Tay, Lucia Tian Tian, Kuat Yessenov, and Brandon Yoshimoto

The MIT Putnam Team placed third in the sixty-eighth William Lowell Putnam Mathematical Competition. Student members included Eric Price, junior in EECS and mathematics.

This year's MIT team for the IBM-sponsored Association for Computing Machinery International Computer Programming Contest, held in Alberta, Canada, placed second overall, winning gold medal standing and first place in North America. The MIT faculty coordinator was EECS Professor Martin Rinard. Student team members included Xuancheng Shao, junior in EECS and mathematics. Student coaches included Jelani Nelson, graduate student in EECS/CSAIL; Ivaylo Riskov, EECS senior; and Zoran Dzunic, EECS/CSAIL graduate student.

W. Eric L. Grimson
Department Head
Bernard Gordon Chair of Medical Engineering
Professor of Computer Science and Engineering

More information about the Department of Electrical Engineering and Computer Science can be found at <http://www.eecs.mit.edu/>.