

Department of Electrical Engineering and Computer Science

The Department of Electrical Engineering and Computer Science (EECS) leadership has undergone some changes during this past year. Eric Grimson continues to serve as department head, with Duane Boning and Srinivas Devadas serving as associate department heads, Terry Orlando serving as graduate officer, and Agnes Chow serving as administrative officer. Dr. Christopher Terman has taken over the responsibilities of the undergraduate officer, replacing professor Arthur Smith, and professor Dennis Freeman has taken over the responsibilities of the education officer, replacing professor George Verghese.

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.

While national trends are just beginning to show a turnaround from recent years' declining enrolments in computer science and in electrical engineering, the department's enrolments continue to improve at a faster rate. The number of undergraduate majors in the department is now the highest since 2004. At the graduate level, we continue to see significant interest in the department, with nearly 2,700 applications (an increase of nearly 10% from the previous year), of which only about 165 were offered admission. The acceptance rate of admission offers was 68%, reflecting the high interest in the department. 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 eighth summer. The number of young women passing through this program who choose to pursue engineering careers is remarkably high. Of the 266 students who participated in the program from 2002 to 2007, 110 chose to attend MIT. Moreover, of the 201 who have declared majors, 124 are majoring in engineering or computer science, and an additional 46 are majoring in science or mathematics. We expect to see similar numbers for the class of 2009, who will be applying to colleges in the fall.

The department continues to support several very active student groups at 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 for graduate students (<http://web.mit.edu/eecgsa/www/>), and GW6 for graduate women students (<http://scripts.mit.edu/~gw6/www/>). These groups initiate a range of activities, many focused at 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 support of this trend, we continue to support the EECS REFS (Resources for Easing Friction and Stress) 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 opportunity in EECS.

The department is actively engaged in developing opportunities for global experiences by our students and faculty. On the basis of recommendations of 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 OpenCourseWare. 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 continue to refine plans to enable faculty from international institutions, initially in 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. The first scholars to participate in this program will be spending time in EECS in the coming academic year, and active discussions on methods to expand this program continue.

An ongoing major initiative of the department is the new undergraduate curriculum. After an extensive three-year effort by our Curriculum Innovation Committee, chaired by Tomás Lozano-Pérez, the department launched a full version of its curriculum for students entering as freshmen in fall 2007. Monitoring and evolution of the curriculum are the responsibility of our Committee on Undergraduate Teaching and Curriculum, chaired by Denny Freeman. A significant number of new courses have been developed, introduced, and refined based on formal assessment tools. Student assessment of the new curriculum and the new courses is very positive, and enrolment in many of these subjects from students outside the department is rising. The department continues to evolve its offering of an introductory course in computer science, intended for students from outside EECS. Annual enrolment now exceeds 250 students, with representation from virtually every department at the Institute.

EECS research is carried out in the set of affiliated laboratories: the Computer Science and Artificial Intelligence Laboratory (CSAIL), the Research Laboratory of Electronics (RLE), Microsystems Technology Laboratories, the Laboratory for Information and Decision Systems (LIDS), and the Laboratory for Electromagnetic and Electronic Systems. 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 Braid, chair

One pending change is a merging of Area IV and Area V into a single graduate research structure to be titled Area IV: Engineering Physics.

Service Awards

School of Engineering Infinite Mile awards for excellence were presented to Jack Costanza, assistant director for infrastructure for CSAIL; Lynne Dell, administrative assistant in LIDS; Joanne Hanley, administrative assistant for CSAIL's theory of computation group; Kris Lantheaume, fiscal officer in CSAIL; and the team of Dan Adams, Ryan O'Keefe, and Tim Turner, who provide support for operational aspects of the Microsystems Technology Laboratory. Maria Nargi, financial assistant in EECS headquarters, was presented the Richard J. Caloggero Award for loyal dedication to the department at EECS's annual spring awards event. Dan Adams, James L. Bishop, Agnes Y. Chow, and Frank J. Stefanov-Wagner were inducted into the Quarter Century Club.

Women's Technology Program

This summer marked the eighth year of the Women's Technology Program (WTP) in EECS. Forty students were selected from an applicant pool of 300 female 11th-grade high school students from across the country; participants this year hailed from 19 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. Three of the summer 2009 WTP EECS staff attended WTP when they were in high school. Collaboration with the Department of Mechanical Engineering continued this year with the 20-student WTP-ME curriculum track. Of the 266 WTP EECS college-age alumnae from 2002–2008, 110 came to MIT. Of the 201 WTP EECS alumnae who have declared college majors or graduated, 124 are in a field of engineering or computer science (62%) and 68 of them are at MIT. The summer 2009 WTP students are rising high school seniors; they will apply to colleges in fall 2009.

VI-A Internship

The department's VI-A internship program is in its 92nd year. The VI-A international internship program is in its fourth year with four students in Beijing, China, at Google, Microsoft Research Asia, and Qualcomm. Forty-nine students applied to VI-A for summer 2009 positions at 15 participating companies. Twenty-seven students were selected as members of the incoming VI-A class. Currently, there are 24 undergraduates and 20 MEng students in the program. The VI-A master of engineering 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 three 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.

Through the generosity of the late professor emeritus J. Francis Reintjes, the J. Francis Reintjes Excellence in VI-A Industrial Practice Award has been established. This award was presented at the EECS Spring Awards Ceremony in May 2009 to two outstanding VI-A students, Zhen Li (linear technology) and Michael Price (analog devices). Both demonstrated outstanding performance in their VI-A work assignments. Zhen completed his thesis research entitled “Design and Implementation of a True Color Wide Dimming One-pin LED Driver.” Zhen will remain at MIT and continue his research in the EECS PhD program. Michael’s thesis, based on his VI-A research, is entitled “Asynchronous Data-Dependent Jitter Compensation.” He will continue his research as an electrical engineer at Aurora Flight Sciences in Cambridge, MA. He also received the EECS David Adler Memorial MEng Thesis Prize.

During the past year, two new companies joined the VI-A program. Robert Bosch LLC in Palo Alto, CA, has one student on her first assignment, and Intersil in Milpitas, CA, has one student on his first assignment. 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 master of engineering program.

Graduate Program

In September 2008, 844 graduate students were enrolled in the department. About 38% of this total were foreign nationals. The department supported 512 research assistants and 113 teaching assistants. In addition, there were 162 full or partial two-term fellowships, including 26 National Science Foundation (NSF) fellowships and 20 Department of Defense fellowships. The remaining students had fellowship support for one term or less.

During academic year 2008–2009 the department awarded two engineer degrees, 69 master of science degrees, and 102 doctoral degrees.

The department received 2,403 applications for the 2008–2009 year, a slight decrease from 2007; 179 were admitted for the year, which resulted in 104 new graduate students registering in September.

Undergraduate Program

Enrollment of undergraduates averaged 731 in 2008–2009, up less than 1% from 2007–2008, with 16% in the Electrical Engineering Program (Course 6-1), 43% in the Computer Science Program (Course 6-3), and 41% in the Electrical Engineering and Computer Science Program (Course 6-2). From the class of 2011, 210 students enrolled in Course VI. About 209 students from the Class of 2012 have so far selected Course VI, not significantly different from enrolment from the class of 2011.

The MEng program entered its 15th year with an average of 163 students.

Faculty Notes

Faculty on sabbatical leave:

Harold Abelson	1/09–5/09
Erik Demaine	9/08–5/09
Michael Ernst	9/08–1/09
Clifton Fonstad	9/08–1/09
Peter Hagelstein	1/09–5/09
Piotr Indyk	1/09–5/09
Frans Kaashoek	9/08–1/09
Franz Kaertner	1/09–5/09
David Karger	9/08–5/09
Rahul Sarpeshkar	1/09–5/09
George Verghese	1/09–5/09
Jacob White	1/08–1/09

Faculty on leave:

Rodney Brooks	9/08–5/10
Shafrira Goldwasser	9/08–5/09
Jovan Popović	9/08–5/09
Ronitt Rubinfeld	9/08–5/10

Faculty on junior research leave:

Karl Berggren	9/08–1/09
Russ Tedrake	9/08–1/09
Lizhong Zheng	9/08–1/09

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

Louis D. Smullin, professor emeritus and former head of EECS, which he helped to create. He was influential in strengthening the curriculum and contributed substantially to build its reputation as the leading department of its kind. Professor Smullin also served as head of the Microwave Tube Laboratory and the Active Plasma Systems Group of RLE. More information can be found at <http://web.mit.edu/press/2009/obit-smullin-0608.html>.

Michael Hammer, former EECS faculty member. Dr. Hammer was an associate professor and served as associate director of the Laboratory for Computer Science in 1979. Eventually taking leave from MIT in 1982, Hammer applied his expertise to found and lead Hammer and Company, Inc. Despite his involvement in this company, Hammer took on an adjunct professorship in EECS. More information can be found at <http://www.eecs.mit.edu/cgi-bin/announcements.cgi?page=2008/data/274.dat>.

Since July 2008, four new members have joined the department.

Timothy Lu is currently completing his MD at Harvard Medical School, having completed a PhD in Health Sciences and Technology working with Jim Collins from Boston University. Tim works on synthetic biology, based on a combined electrical engineering and biology/medical perspective. His focus has been on creating new treatments for infectious diseases using synthetic biology, incorporating analog and digital control concepts, including work on engineered bacteriophages. Tim will join RLE as assistant professor starting in fall 2010.

Li-Shiuan Peh is an associate professor of computer science and engineering and a member of CSAIL. She holds a PhD and MS in computer science from Stanford University and a BS in computer science and information systems (first class honors) from the National University of Singapore. Her main interests include interconnection networks (networks connecting subsystems within a digital system, such as multiprocessors, blades, disks, clusters, router line cards, on-chip modules, and embedded systems)—specifically, power-aware interconnection networks—and parallel architectures and networking in general.

Dana Weinstein is an assistant professor of electrical engineering and a member of Microsystems Technology Laboratories. She holds a PhD and MS in applied and engineering physics from Cornell University and a BS with highest honors in physics and astrophysics from the University of California, Berkeley. Her main interests are in GHz MEMS resonators for optomechanical modulation, micromechanical filters, radio frequency electronics, and clock distribution.

Ron Weiss is an associate professor, dual in the Department of Biological Engineering and EECS. He holds a PhD and SM in electrical engineering and computer science from MIT and a BA with highest honors in computer science and in economics from Brandeis University. His research focuses on programming new cellular behaviors by designing and embedding synthetic gene networks that perform desired functions in single cells and multicellular environments.

The department hosted three visiting faculty this year: professor Latanya Sweeney, professor Michael Perrott, and professor Silvan Toledo.

There were three departures from the faculty: Gerald Wilson retired, and Michael Ernst and Jovan Popović both left MIT for other opportunities.

Faculty Honors

Academic year 2009 was a stellar time for honors given to faculty, graduate, and undergraduate students. Below is a list of the awards (internal and external).

Scott Aaronson was selected as a 2009 Alfred P. Sloan Foundation Research Fellow.

Hari Balakrishnan, Joel Moses, and Madhu Sudan were named as fellows of the ACM.

Marc A. Baldo will head one of two new Energy Frontier Research Centers (EFRCs) at MIT. Established by the US Department of Energy Office of Science, the 46 new multimillion-dollar EFRCs will pursue advanced scientific research on energy at universities, national laboratories, nonprofit organizations, and private firms across the nation.

Timothy Berners-Lee was elected for membership in the National Academy of Sciences.

Sangeeta N. Bhatia was named one of the 10 “Women to Watch” by the online publication *Mass High Tech: The Journal of New England Technology*.

Rodney Brooks was awarded the IEEE Robotics and Automation Society Inaba Prize this year for research and entrepreneurial contributions to mobile robotics at the 2008 IEEE International Conference on Robotics and Automation.

Vladimir Bulovic was the recipient of the Bose Award for Excellence in Teaching.

Vladimir Bulovic and Daniel Jackson were selected as MacVicar fellows.

Anantha Chandrakasan received the Semiconductor Industry Association University Researcher Award.

Anantha Chandrakasan will serve as MIT’s inaugural director of MIT-INL, a new education and research enterprise focusing on nanotechnology. It represents a major new collaboration of MIT with International Iberian Nanotechnology Laboratory that will enrich each institution’s research activities in nanoscience and nanotechnology.

Professor Isaac Chuang was awarded a \$3M grant from NSF, through its Integrative Graduate Education and Research Traineeship program, to fund a pioneering MIT program with the goal of creating a cohesive, interdisciplinary, doctoral study program in the growing field of quantum information science.

Luca Daniel and Jing Kong were recipients of 2008 Jonathan Allen Junior Faculty Awards.

Constantinos (Costis) Daskalakis won the ACM 2008 Doctoral Dissertation Award for his paper entitled “The Complexity of Nash Equilibria.”

Srini Devadas was selected by the 2008 ID World International Congress to receive the ID Trailblazer Award, which is sponsored by the publication *ID People*. He was honored for advancing ID technology to the next generation by introducing the world’s first virtually unclonable radio frequency identification (RFID) chips based on “silicon biometrics” technology called physical unclonable functions.

Srini Devadas was named a recipient of one of InfoWorld’s CTO 25 Awards, honoring chief technology officers who have been pioneers and leaders in their fields. The award was given for work his company, Verayo, has done in developing unclonable RFID integrated circuits.

Mildred Dresselhaus was the 2009 recipient of the Vannevar Bush award, which annually recognizes an individual who, through public service activities in science and technology, has made an outstanding “contribution toward the welfare of mankind and the nation.”

G. David Forney, Jr., together with his coauthor Daniel Costello, Jr., was awarded the 2009 IEEE Donald G. Fink Prize Paper Award. They received this award for their paper “Channel Coding: The Road to Channel Capacity,” which appeared in *Proceedings of the IEEE* in June 2007.

William T. Freeman, Franz X. Kaertner, and Joel Schindall were selected as 2009 IEEE Fellows.

Martha L. Gray was named a fellow of the American Association for the Advancement of Science for “pioneering contributions to advancing orthopedic science, and for distinguished leadership in the design and implementation of scholarly programs that integrate science, engineering, medicine and business.”

Leslie Kolodziejski was awarded the 2009 Capers and Marion McDonald Award for Excellence in Mentoring and Advising by the School of Engineering.

Jing Kong and Mehmet Fatih Yanik were selected as recipients of NSF Career Awards.

Barbara Liskov won the Association for Computing Machinery’s A.M. Turing Award, one of the highest honors in science and engineering, for her pioneering work in the design of computer programming languages. She was cited “for contributions to practical and theoretical foundations of programming language and system design, especially related to data abstraction, fault tolerance, and distributed computing.”

Barbara Liskov was appointed MIT Institute Professor.

Tomás Palacios was named by the Navy’s Office of Naval Research as one of its 15 new young investigators.

Ronald L. Rivest and John Tsitsiklis were recipients of the Doctor Honoris Causa from the Université Catholique de Louvain, Belgium.

Daniela Rus was named a fellow by the Association for the Advancement of Artificial Intelligence.

Devavrat Shah was the inaugural winner of the ACM SIGMETRICS Rising Star Award 2008 for his work on network scheduling algorithms.

Henry I. Smith was elected a fellow of the Optical Society of America.

Joel Voldman was the first recipient of the Young Innovator’s Award for exceptional technical advancement and innovation early in his career at the 12th International Conference on Miniaturized Systems for Chemistry and Life Sciences, MicroTas, sponsored by the American Chemical Society. His research interests focus on microtechnology for cell sorting and stem cell biology—that is, applying Bio-MEMS to cellular systems.

Mehmet Fatih Yanik was awarded the National Institutes of Health EUREKA (Exceptional, Unconventional Research Enabling Knowledge Acceleration) award, which targets investigators who are testing novel, unconventional hypotheses or are pursuing major methodologic or technical challenges.

Cardinal Warde was awarded the Doctor Honoris Causa by Universidad Carlos III de Madrid.

Gerald Wilson received the Gordon Y Billard Award, which is presented for special service of outstanding merit performed for the Institute.

Victor Zue, director of CSAIL and Delta Electronics professor of electrical engineering and computer science at MIT was elected Academician of Academia Sinica in the division of mathematics and physical science at its biennial convocation on July 1–4, 2008.

The following faculty received awards at the annual EECS Spring Awards ceremony held on May 17, 2009:

Elfar Adalsteinsson: Ruth and Joel Spira Award

Randall Davis: Graduate Student Association Graduate Counselor Award

Jongyoon Han: Louis D. Smullin (1939) Award for Teaching Excellence

Leslie Kaelbling: Burgess (1952) & Elizabeth Jamieson Award

Jing Kong: Jerome H. Saltzer Award for Teaching Excellence

Rajeev Ram: Burgess (1952) & Elizabeth Jamieson Award

Arthur C. Smith: Department Head Special Recognition Award

Joel Voldman: Louis D. Smullin (1939) Award for Teaching Excellence

The following faculty were inducted into the Quarter Century Club: James G. Fujimoto and Silvio Micali.

Student Awards

The following awards were presented to EECS students at the annual EECS Spring Awards Ceremony held on May 17, 2009:

Carlton E. Tucker Teaching Award for Teaching Excellence: Natasa Blitvic

Harold L. Hazen Teaching Award for Teaching Excellence: Jay Fucetola

Frederick C. Hennie III Teaching Award for Teaching Excellence: Shay Maymon, Max Goldman

George M. Sprowls Award for best PhD Thesis in Computer Science:

Jacob R. Eisenstein, Rui Fan, David F. Huynh, Sachin R. Katti

Northern Telecom/BNR Project Award for Best 6.111 Laboratory Project for Fall 2008: Donald Goldin, Mark Sullivan, Nicholas Harrington, Tao Benjamin Schardl

Morris Joseph Levin Award for the Best Oral Thesis Presentation: Irene R. Fan, Elena L. Glassman, Walker R. Chan, Jennifer L. Barry

George C. Newton Undergraduate Laboratory Prize: Tony (Hyun) Kim, Nevada Sanchez

David A. Chanen Writing Award: Syed Raza

Charles and Jennifer Johnson Master's of Engineering Award in Computer Science: Lydia Chilton, Philip Pohong Sung

William A. Martin Memorial Master's Thesis Award in Computer Science: Ankur Moitra

David Adler Memorial Master's of Engineering Thesis Award in Electrical Engineering: Michael Price, Spyridon Zoumpoulis

Ernst A. Guillemin Master's Thesis Award in Electrical Engineering: first place, Srikanth Jagabathula; second place, David Da He

Arnold L. Nylander (1931) AUP Award: Tao Benjamin Schardl

Licklider UROP Prize: Kyle A. Miller, David Koh

Robert M. Fano UROP Award: Tao Benjamin Schardl

Morais (1986) and Rosenblum (1986) UROP Award: Sabrina M. Neuman

J. Francis Reintjes Excellence in VI-A Industrial Practice Award: Michael R. Price, Zhen Li

Anna Pogosyants UROP Award: Raluca A. Popa

Department Head Special Recognition Award: Lydia Chilton, Michael Scott Bradley, Yu Gu, Yasuhiro Shirasaki

The following EECS students were elected to Phi Beta Kappa:

Ilan Almog

Thomas Belulovich (Courses VI and XVIII)

Alessandro Chiesa (Courses VI and XVIII)

Calvin Chung (Courses VI and XV)

Alan Deckelbaum (Courses VI and XVIII)

Charles Herder (Courses VI and VIII)

Hyun Kim (Courses VI and VIII)

Yongjin Kim (Courses VI and VIII)

Amrik Kochhar (Courses VI and XVIII)

Igor Kopylov (Course VI)

Raluca Ada Popa (Courses VI and XVIII)

Victoria Popic (Courses VI and XVIII)

Eric Price (Courses VI and XVIII)

Zachary Remscrim (Courses VI and XVIII)

Alex Rothberg (Courses VI and XIV)

Tao Benjamin Schardl (Course VI)

Zuzana Trnovcova (Course VI)

Andre Wibisono (Courses VI and XVIII)

Justin Wu (Courses VI and VIII)

Jessica Yuan (Course VI)

EECS students Clare Bayley ('10), Carter Jernigan ('08), Jasper Lin (MEng '08), Christina Wright, (MEng '08), and additional contributor Jennifer Shu (MEng '05) have been selected among the top 10 winners awarded in the second round of Google's Open

Handset Alliance competition for their project “Locale” developed last spring term in EECS Course 6.087, Building Mobile Applications with Android.

The IEEE Communications Society 2009 William R. Bennett Prize in the Field of Communications Networking was recently awarded to a research team including EECS students and faculty: Sachin Katti, Hariharan Rahul, professor Dina Katabi, and professor Muriel Médard. The paper, titled “XORs in the Air: Practical Wireless Network Coding,” appeared in the *IEEE/ACM Transactions on Networking*, Vol. 16, No. 3, pp. 497–510, June 2008.

2009 IEEE Communications Society and Information Theory Society Joint Paper Award selected the team including MIT EECS faculty and students Tracey Ho, professor Muriel Médard, professor David R. Karger, and Ben Leong for their paper titled “A Random Linear Network Coding Approach to Multicast,” *IEEE Transactions on Information Theory*, Vol. 52, No. 10, pp. 4413–4430, October 2006.

Five MIT students, including Scot Frank (EECS '09), received a 2009 Anthony Sun Fellowship Award to pursue international internships this summer through MISTI.

Raluca Ada Popa (EECS '09) has been selected winner of the Computing Research Association's Outstanding Undergraduate Award (Female) 2009.

The MIT debate team, including team member Adam Goldstein (EECS '10, VI-2) and president Bill Magnuson (EECS '09, VI-3), won the Cambridge Intersarsity Championship held in Cambridge, England, on November 15, 2008.

Graduate student Srikanth Jagabathula received the Best Student Paper Award at Neural Information Processing Systems 2008 for the paper “Inferring Rankings under Constrained Sensing,” which he coauthored with EECS professor Devavrat Shah.

David Reshef (SB '08 and MEng '09) was one of four MIT students selected for a Marshall Scholarship.

Jay Kumar Sundararajan, graduate student in LIDS, was one of four students nationwide to be the inaugural recipient of the Marconi Society Young Scholars award.

A team of professor Marc Baldo and EECS graduate students Michael Currie, Jon Mapel, and Timothy Heideel and Shalom Goffri, a postdoctoral student in RLE, created a novel solar concentrator that promises to enable the use of solar windows that will not only let sunlight in but will efficiently harness the solar energy for use as electric energy. Covalent Solar, a new company started by Mapel, Currie, and Goffri to develop and commercialize the new technology, won two prizes in the MIT \$100K Entrepreneurship Competition this year.

This year's MIT team for the IBM-sponsored Association for Computing Machinery International Computer Programming Contest, held in Stockholm, Sweden, placed seventh overall, winning silver medal standing and first place in North America. The

MIT faculty coordinator was EECS professor Martin Rinard. Student participants included Jelani Nelson, Jacob Steinhardt, David Benjamin, Andrew Lutomirski, Eric Price, and Zoran Dzunic.

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/>.