Save the Date

SPOTLIGHT
Mid-February 2012
Venue and Date - TBD
Spotlight MIT is the premier event of the MITCNC calendar, and draws hundreds of members of the MIT community for a night of great company, food and drink. It celebrates the impact MIT has had both on its graduates and on the evolution of science and technology.

Our keynote speaker is John S. Reed '61, SM '65 who is the Chair of the MIT Corporation, the Institute's governing body. Mr. Reed is the retired chairman and CEO of Citigroup and former chairman of the New York Stock Exchange.

ANNUAL EVENT
The MITCNC Annual Members Meeting will be at the Tech Museum in San Jose and the Club’s business meeting runs from 11 AM to noon. Alumni and guests can enjoy lunch from 11 AM to 1 PM. The Meeting is free to alumni and their guests and includes museum admission. Children are welcome.

See the flyer for details.

Celebrating “MIT 150 Inventional Wisdom”

In addition to the many events our Club organized to celebrate MIT’s 150th birthday, several Club members participated in the festivities back in Cambridge.

Catherine Calarco SL’06 attended Building the Future: Dedication, Colloquium, and Alumni Weekend. John Chisholm ’75, G ’76 attended the 2-day economics / Sloan symposium.

Harbo Jensen ’74 and Mark Gorenberg ’78 marched in the actual Charter Day Convocation on April 10 in the Boston Convention and Exhibition Center. In addition to being Directors of our Club, Harbo and Mark are members of the MIT Corporation, so they marched in the procession in full academic regalia. Almost 8,000 people attended this Charter Day Convocation.

The “MIT 150 Inventional Wisdom” website (http://mit150.mit.edu) contains many interesting and inspirational stories, pictures, symposia, and many other features which will fill any MIT alum with pride, and some interesting stories to share with others.

Harbo reports that the actual “birthday party” was the “Toast to Tech” which gathered approximately 8,000 guests in Killian Court on Saturday evening, June 4.

The 1,000 pound birthday cake was 24 feet long, and featured campus landmarks such as the Great Dome, Simmons Hall, Kresge Auditorium, the Green Building, the Stata Center, the new MIT Sloan School as well as cars along Memorial Drive, Tim the Beaver crawling across the Massachusetts Avenue bridge and a Charles River of blue and white cupcakes spelling “MIT 150.”

Reminiscent of “night work hacks” using office lights in the Green Building to send messages, the windows of the Prudential Center were lit to read “MIT 150” providing the perfect backdrop for a spectacular fireworks display over the Charles River. In the spirit of the evening, Susan Hockfield pointed out that the 750 foot high “MIT 150” tribute on the Prudential Center was actually 134.32 Smoots high. A great story on the “Toast to Tech,” including a video of the fireworks display is available at: http://web.mit.edu/newsoffice/2011/toast-to-tech-0606.html
MITCNC is the official local Alumni/ae Association chapter for MIT and serves the approximately 10,000 MIT alumni/ae in Northern California. The club offers numerous resources in entrepreneurship, career development, and professional networking in the Bay Area. Two of the major professional event tracks, Energy & Clean Tech and Life Sciences Forum, are highlighted in this newsletter.

The Club also provides many opportunities for social interaction between MIT alumni/ae as well as alumni/ae from similar university clubs. Some of the social events are shown in this newsletter. The club's goal is to create a tangible community for local MIT alumni/ae through its various events, and its newsletter, email and website publications.

In addition to the main events under the overall MITCNC umbrella, there are two subgroups which organize events: AMITA (led and focused on MIT alumnae) and SLOAN (MIT Business School). Their events are discussed below.

Finally, MITCNC believes in giving back to the community through recognition and encouragement of science and technology leadership through our Student Leadership Awards and Inspirational Teacher awards and supporting MIT students through the MITCNC Scholarship program.

AMITA Event: Dress for Success was held on Feb 3, 2011
Expert wardrobe consultant Kelly Shouey presented tips and recommendations for the most versatile, professional and affordable styles for women of all ages and industries. She spoke about projecting the right image and building the appropriate wardrobe for any career and it was a fun and educational event for all the attendees.

AMITA Event: Women Entrepreneur Panel was held on March 24, 2011
Sramana Mitra (Founder One Million by One Million) moderated a panel of distinguished women from a variety of industries who have taken different paths to and successfully built bootstrapped and VC-funded ventures. The panelists included Amy Pressman (Medallia), Jennifer Gill Roberts (Vivecoach), Carol Realin (Obopay), Wendy Lung (IBM Venture Capital) They addressed questions such as: How do you finance your startup? It was an informative and enlightening session for all the attendees.
President’s Message

This has been a momentous year for MIT and for the MITCNC. Thank you to all the volunteers, officers and board members who have been instrumental in making this year so successful.

We celebrated MIT’s 150th anniversary and there were MIT150 events here as well as many programs at MIT in Boston. Two of our MITCNC board members, Harbo Jensen ’74 and Mark Gorenberg ’78 marched in the actual Charter Day Convocation on April 10 in the Boston Convention and Exhibition Center. Almost 8,000 people attended this Charter Day Convocation. Harbo details the amazing experience within this newsletter.

In May, I attended the MIT150th event and dedication of the Sloan Building. The highlight was the luncheon talk with Admiral Thad Allen SL ’89 and Dean David Schmittlein. With the calm candor of a true leader, Thad conveyed his experience of the response to Katrina and the Gulf Oil Disaster. A few of his words of advice included: the Gulf situation was complex and was similar to the Apollo 13 crisis, cognitive diversity is needed to establish objectives, both technical and management capabilities are necessary, and emotional intelligence is key.

One of the most important points I took away from the MIT150 presentations is that MIT inspires those who create the future. As President Hockfield stated in a recent message, the MIT community again has a crucial role to play and an important calling. Through our alumni community it is possible to better meet this challenge and facilitate results for us all. The MITCNC is dedicated to connecting our alumni community to one another and to MIT.

Towards that goal, we held over 50 MIT events with approximately 2,500 attendees. The Energy & Clean tech committee, led by Doug Spreng ’65, held 6 major events with over 800 attendees.

Congratulations Doug! I hope that you were able to attend one of these events including the sold-out Professor Sadoway presentation.

In addition, the club recognized 12 local student leaders, 5 inspirational Teachers and contributed $25k to the scholarship fund. One of the most meaningful events each year is the Inspirational Teachers award. Please join me in congratulating the inspirational teachers from the Bay Area for 2010 and 2011. It was an honor to present the awards to the group.

This year, several officers took up new leadership positions. This includes Roshni Cooper ’07 as Director of Volunteer Involvement, Elizabeth Ng ’78 as EVP and Doug Spreng ’65 as the VP for the Energy & Clean Tech Committee. I personally want to acknowledge the significant contribution of Rohit Gupta ’05 EVP, Bill Reenstra ’72 EVP, Doug Spreng and Roshni Cooper. Along with Elizabeth Ng, this group has been instrumental in the club and providing leadership during the last two years. Thank you for the honor of serving as club President. Elizabeth Ng now takes over this role for 2011-12 and will be an excellent president for the club. Please join me in supporting her success this year! Congratulations!

LEADERSHIP & INFRASTRUCTURE
President
Catherine Calarco SL ’06
President Elect/EVP
Elizabeth Ng ’78
EVP
Rohit Gupta ’05, Bill Reenstra ’72
Treasurer
Michael Sarfatti ’76, G ’78
Secretary
Gavin McCraley
VP IT & Communications
Javed Samuel ’04, Monika Gorkani ’93
VP Membership & Volunteer Int.
Andrey Titov GM ’07
Director Volunteer Integration
Roshni Cooper ’07
Partnership Organization Liaison
Mindy Hsu GM’06

SCIENCE & TECHNOLOGY
VP Clean Tech Series
Doug Spreng ’65
Director Life Sciences Forum
Elizabeth Ng ’78
Director Science Lecture Series
Charles Zhou ’91
Emerging Technologies Council Chair
David Lackner ’99

ENTREPRENEURSHIP PROGRAM
VP Entrepreneurship
Rohit Gupta ’05
Director Angel Investments
Shuja Keen ’99
Director Convergence, Community and Commerce
Vandana Upadhyay GM ’92
Director Start Up Engine
Alsom Kemp GM ’05
Director Venture Mentoring
Jennifer Wang

COMMUNITY PROGRAMS
EVP East Bay Events
Bill Reenstra’72
VP Career Development
Cheng Wei-Pei ’03
VP Social Communities
Daphne Lin ’04
Director Sports & Recreation
John Keen ’94
Director MIT10
Elizabeth Lin GM ’00
K-12 Educational Outreach
Bill Reenstra’72, Joel West’79

AFFILIATE ORGANIZATIONS
President Sloan Club
TBD
AMITA Liaison
Radha Nayak ’93
VMS
Rolf Bauchler ’69
MITCNC Scholarship Program

The MITCNC scholarship program was established in 1983 with one scholarship at 10% of MIT tuition. Over the past two and one half decades it has grown to over 20% of tuition and expanded to 6 scholarships. It is now funded by investment earnings on the MIT Club of Northern California Scholarship Fund (MIT account #3493300) and has helped 140 students from Northern California.

You can support this valuable program through voluntary donations on your annual MITCNC dues card or through direct tax deductible donations to the MITCNC endowment account #3493300 at MIT.

Wm. E. Murray ’67 MITCNC Scholarship Program Manager

MITCNC Scholarship Winners

We asked the 6 recipients why they chose MIT and here’s what they told us.

Ulziibayar Otgonbaatar ’14
(Robert Swanson ’69 Memorial Scholar)
Hometown: San Francisco, California

Why I chose MIT: I chose MIT primarily for three reasons: my brother studies at MIT, it was my first choice school when I applied to colleges, and it offered me the highest amount of financial aid. I have decided to learn Computer Science and Electrical engineering. I am most looking forward to making as many friends as possible.

Miriam L. Gershenson ’14
(MITCNC Alumna Scholar)
Hometown: Montara, California

Why I chose MIT: I chose MIT because it combines an excellent education with the social environment I was seeking. MIT offers all the classes I could possibly want to take in the subjects I love most, and as many current students told me when I visited, it will be easy to find a microcommunity that I am comfortable in.

Jonathan E. Rea ’14
(Judy & Phil Friend ’58 Memorial Scholar)
Hometown: Palo Alto, California

Why I chose MIT: I chose to come to MIT because I knew that I would be surrounded by amazing people that could teach me more than anywhere else. I am looking for the academic challenges, and also for the friendships that I will build through the baseball team and possibly a fraternity as well. I plan to study either environmental or mechanical engineering. I am most looking forward to meeting the people that I will be going through college with and learning from them.

Dario X. Yazdi ’14
Hometown: San Carlos, California

Why I chose MIT: MIT is the best school in the fields I’m interested in and, after visiting, I felt it was a perfect fit for me. I am interested in mechanical engineering, electrical engineering, computer science, materials engineering.

Carissa F. Jansen ’14
(Gaynor Langsdorf G ’32 Memorial Scholar)
Hometown: Fremont, California

Why I chose MIT: I chose to come to MIT because of its amazing reputation at the forefront of technology and science. MIT’s world class, cutting-edge laboratories and general atmosphere of creativity and learning all highly attracted me to MIT and made me choose to come here. I plan to study biology, in keeping with my pre-med education. I’m most looking forward to immersing myself in new classes and the wealth of opportunities available at MIT. I can’t wait to discover new subjects and areas of study and be challenged by MIT’s academic rigor.

Claire E. O’Connell ’14
(Janet Grosser ’53 Memorial Scholar)
Hometown: Los Altos Hills, California

Why I chose MIT: I chose to come to MIT because I know that I want to pursue sciences, and through research and speaking with others, have come to understand that MIT is one of the best places in the world at which I can do so. I thrive when presented with a challenge, so I think that MIT will be an optimal place for me to grow intellectually. I am excited to figure out which subjects really resonate with my interests and understandings.
On Saturday, May 27, Russell Coile, class of 1938, received a lifetime recognition award from the Massachusetts Institute of Technology (MIT) for his contributions to MIT and to the Northern California chapter of the MIT Alumni Association. He was given the award at his bedside at the community Hospital of the Monterey Peninsula. A more formal presentation ceremony will occur after his recovery and release from CHOMP. In attendance when the certificate was presented to Russell were his wife Ellen, daughter Jennifer, and Edie and Xavier Maruyama. Bill Murray had the honor of making the award. Bill and Xavier are MIT alumni. Later, when Russell is at home, the president of the MIT Northern California Alumni Association will preside over a more formal presentation with Dr. Russell properly attired in his MIT red jacket. The MIT red jacket may only be worn by alumni of 50 years. Russell, B.S. ’38, S.M. ’39 and E.E. ’50 from MIT has observed his 73rd year since his first graduation. Dr. Russell received his Ph.D. from the less prestigious City University of London. Russell C. Coile died peacefully at home on Saturday, June 4th, 2011.

Inspirational Teacher Award
The MIT Inspirational Teacher Award recognizes outstanding secondary school teachers who inspire in their students a love of learning, encourage them to pursue excellence, and give them the skills and enthusiasm they need to make a positive difference in the world.

This year, among the 33 recipients, was Ben Chun from Galileo Academy of Science and Technology located in San Francisco, CA, and Bob Blaschke from Lynbrook High School in San Jose.

Bronze Beaver Award
The Bronze Beaver Award is the highest honor the Association can bestow upon any alumni volunteer. It is given to recognize distinguished service to the Alumni Association and the Institute by alumni who have been active in most or all phases of alumni activity and who have been outstanding in at least one phase. Alf K. Berle ’27 and Carole (Cac) A. Clarke ’21 were the first recipients of this award which was established in 1955. Recently, Mark Gorenberg ’78, joined approximately 300 individuals who have been so honored.

George B. Morgan ’20 Award
The George B. Morgan ’20 Award recognizes ongoing excellence in all aspects of Educational Council activity. This includes dedication to MIT, an abiding concern for the interests of prospective students, and exceptional standards of achievement and professionalism in meeting Council responsibilities. To date, a total of 200 individuals have received this award. Jamie Eng ’73 was awarded this honor for her service on the Educational Council.

Awards
Bob Blaschke
Ben Chun

Leadership Awards
Leadership ability and a strong knowledge of science and technology are qualities of critical importance in our increasingly complex society. This combination of leadership and technical knowledge is central to the success of our society, not only through the direct applications of science and engineering, but also in the interrelated fields of political science, economics, architecture, management, and the humanities and social sciences.

The MITCNC created the MIT Leadership Award to recognize and encourage students who exhibit this combination of scholastic ability and leadership.

The award is presented to the student selected by the faculty at select high schools to be “the high school junior best combining the qualities of outstanding student leadership and excellence in the study of science and technology.”

Rebecca Hu
Aragon High School

Chris May
Carlmont High School

Matthew Leong
Henry M. Gunn HS

Alyssa Wain
Los Altos High School

Angela Zhang
Monta Vista

Rahul Patel
Mountain View High School

Mark Nishimura
Palo Alto High School

Carolyn Bruckmann
Stevenson School

Alissa Zhang
Saratoga High School

James C. MacDonald
Tamalpais High School

Emelia Stuart
Thomas Downey High School

Ming Cen
Thurgood Marshall Academic High School
The Energy & Clean Tech Series (ECT) was created about a year ago with the combination of the former Clean Tech Series with the MITEI (Energy Initiative), led by MITCNC Energy Ambassador Doug Spreng.

Since then, ECT launched the popular MITEI on the Road series, featuring MIT professors who present their work in energy-related research, and continued the flow of panel discussions by top energy executives and other thought leaders.

The season began on September 30th with “The Future of Electric Vehicles in California”, a panel of high-level executives in the electric vehicle industry and a representative of the California Clean Energy Commission.

On November 9th, ECT presented a special edition of MITEI on the Road, featuring MIT Professor Alex Slocum in “Going Deep”, a review of his experiences with the DoE Science Team over the Gulf oil spill.

On April 7th, we put on a second panel discussion event in the Electric Vehicle series entitled “Can EV Batteries Go the Distance?”, with a panel of start-up CEOs and founders in this critical industry.

The highlight of the season was Professor Don Sadoway, who sold out Xerox PARC’s 240-person auditorium and gave a rousing presentation on “Innovation in Energy Storage”, a special MIT 150th Anniversary event.

On April 7th, we put on a second panel discussion event in the Electric Vehicle series entitled “Can EV Batteries Go the Distance?”, with a panel of start-up CEOs and founders in this critical industry.

This was followed by another MITEI on the Road/150th Anniversary presentation by MIT Professor Jeff Grossman on May 17th on “New Materials for Solar Capture & Storage”, which was accompanied by a special awards ceremony for MIT Inspirational Teachers and attended by a number of recently admitted MIT students in the Class of 2015.

ECT closed the season with a strong panel discussion by solar executives from leading firms such as First Solar, SunPower, Solar Millennium and Bechtel on “Can Solar Technologies Meet Utility-Scale Demand?”

The 2011-12 season is planned to be just as engaging as this past year. Already scheduled are two MITEI on the Road events booked for the fall, featuring MIT Professor Vladimir Bulovic on September 27th discussing “Nanotechnologies for Energy-Efficient Lighting” and MIT Department of Nuclear Science & Engineering Department Head Richard Lester on “Does Nuclear Energy Have a Future?”

Be sure to check the MITCNC web site at http://www.mitcnc.org or our weekly newsletter for more information on energy-related events throughout the season.
Life Sciences Forum

MITCNC Tour of the X-Ray Laser at SLAC with an Emphasis on Recent Biophysics Experiments

The Linac Coherent Light Source (LCLS) or ‘x-ray laser’ is more than a billion times brighter than any other x-ray source. Its sub-picosecond x-ray pulses are used to study the ultra-fast dynamics of nanoscale and atomic-scale systems. The tour of this 2 km long underground LCLS facility was lead by Dr. John Arthur, who received his PhD from MIT in 1983, studying neutron interferometry. He has been at SLAC since 1986 and now serves as head of the LCLS X-ray Operations Department.

Professor Mehmet F. Yanik

Prof. Mehmet F. Yanik ’99, MNG ’00 is an Associate Professor at MIT and is the founder and chairman of Entera Pharmaceuticals. His work has been recognized by the NIH, NSF and many others as innovative and transformative, and has been highlighted in many national and scholarly publications. Dr. Yanik discussed some of the techniques used by high-throughput neurotechnology including micromanipulation, microfluidics, ultrafast optics, advanced microscopy, quantum physics, genetics, and biochemistry. He talked about the system they developed which is essentially a miniature production line to streamline the process of testing drugs on worms.

Professor Robert H. Lustig

Dr. Robert H. Lustig ’77 is the Professor of Clinical Pediatrics, in the Division of Endocrinology, Director of the Weight Assessment for Teen and Child Health (WATCH) Program at UCSF.

"Dr. Lustig provided an insightful look at how our evolving diet has affected disease prevalence such as diabetes, hypertension and heart disease and how it affects the overall life expectancy of our children. He also shared with us the economic drivers behind the food industry and the USDA how consumer demand and community initiatives may be the necessary drive to precipitate a change."

MITCNC Members Only Tour of the Agilent Headquarters (Life Sciences & Chemical Analysis Centers)

A group of 25 MITCNC Members (including the daughter of one of our members) toured several labs that were part of the Life Sciences (LSG) and Chemical Analysis (CAG) Groups at Agilent Technologies. These two groups develop and manufacture products such as: DNA microarrays, HPLCs, capillary electrophoresis systems, mass spectrometers, gas chromatographs, and data analysis software. The MITCNC members had the opportunity to see ultra high performance liquid chromatography (UHPLC), high performance liquid chromatography (HPLC) products and nuclear magnetic resonance (NMR) spectroscopy products. They also toured the HP Museum and spoke with the HP Museum curator.

Background

The Life Sciences Forum was founded in March of 2007 to provide a series of lectures and activities designed to showcase the latest innovations in areas such as pharmaceuticals, biotechnology, medical devices and diagnostics.

The Life Sciences Forum seeks so provide an opportunity for MIT alumni/ae interested in the Life Sciences to meet, network, learn and exchange thoughts and ideas.

This program is directed towards exploring the many new scientific and business developments in the industry and is intended for all; those already working in the industry, those interested in learning how to switch into this area, and those who simply are interested in how advances in the Life Sciences could impact them.

Steering Committee:
Elizabeth Ng ’78
(Director, Life Sciences Forum)
Nelson Lin ’91
Kelly Liu SM ’01
William Murray ’67
Sooji Lee Rugh ’87
As Always Musical and Dessert Reception

MIT alums attended the new musical called "As Always" on March 10 at the Eureka Theater in San Francisco featuring music and lyrics by Peter W. Tucker. The musical featured lush harmonies and rhapsodic melodies while tracing a psychological journey through love, loss, and redemption during a single night of dreams, where inner battles come to life. Afterwards the alums had a "Meet and Greet" with the cast, and an exclusive dessert reception at Cafe Prague!

MITCNC Hiking Events

We now have a significant team of volunteer hike leaders, and they are doing a superb job of organizing and leading these hikes. The hikes provide a good opportunity to get some exercise, enjoy beautiful scenery conveniently close to the Bay Area, and mingle with fellow MIT alums. We are planning to continue the hikes in 2011, and we encourage our fellow MIT alums to join us.

Guests are welcome!
Benefits of Membership

By joining one of the most dynamic and exciting MIT Clubs in the country, you support (and gain access to) our rich array of activities, our incredible recruitment efforts for our alma mater, and our wonderfully inspiring community service program. You will also meet a fascinating group of people (your fellow alums), enrich your life, and continue to enhance your MIT experience right here in the Bay Area.

MITCNC Members receive the following benefits:

- Admission to all members-only events;
- Reduced rates to all other events;
- Our quarterly newsletter, as well as weekly email notice of upcoming activities;
- The opportunity to plan and organize your own Club events;
- The satisfaction of knowing that you've done your part to support the MIT presence in San Francisco and the Bay Area, our interviewing efforts, and our community service work.

Please select a membership category:

- [ ] $30 Regular Membership
- [ ] $50 Sustaining Membership¹
- [ ] $100 Patron Membership¹
- [ ] Free Class of 2008 or class of ’58 and earlier
- [ ] Free Currently Enrolled Student

Membership Dues $___________
Scholarship Donation $___________
Total enclosed $___________

Please make checks payable to MIT Club of Northern California and return with form to:

MIT Club of Northern California
268 Bush Street, PMB 600
San Francisco, CA 94104

¹ Sustaining and Patron Members enjoy the same benefits as Regular Members, however, they make a greater financial contribution to the club.
Upcoming Events: September - November 2011

- **2011 Annual Meeting**
  Saturday, September 10, 2011 from 11:00 am to 1:00 pm
  The Tech Museum, 201 South Market Street, San Jose, CA

- **How the Hippies Saved Physics with Dr. David Kaiser, MIT Professor and Author**
  Tuesday, September 20, 2011 from 6:00 pm to 9:00 pm
  University Club 800 Powell Street San Francisco, CA

- **Sailing Event in Santa Cruz - Members Only**
  Sunday, September 25, 2011 from 2:00 pm to 4:30 pm
  Santa Cruz Yacht Harbor, 790 Mariner Park Way, Santa Cruz CA
  Members $48 | Children under 15 $29

- **Nanotechnologies for an Energy-Efficient Future**
  Tuesday, September 27, 2011 from 6:00 pm to 9:00 pm
  PARC, 3333 Coyote Hill Road, Palo Alto, CA 94304
  Members $30 | Non Club Members $45 | $60 for event + membership

- **14th Annual Cycling Trip To Tiburon**
  Saturday, October 1, 2011 starting at 11:00 am
  Pier 41, San Francisco (Grass across from the Ben & Jerry’s)

- **Inter-Collegiate Polo Tournament and Tailgate**
  Sunday, October 16, 2011 from 12:30 pm to 3:00 pm
  Menlo Circus Club, 190 Park Lane, Atherton CA
  Members $15 | Non Club Members $35 | Children under 15 $10

- **Regenerative Medicine Against Aging with Dr. Aubrey De Grey**
  Thursday, October 20, 2011 from 6:00 pm to 9:00 pm

- **Cirque de Soleil’s latest show: TOTEM**
  Sunday November 6, 2011 from 1:00 pm to 4:00 pm
  SOLD OUT