



Massachusetts Institute of Technology



INTERNATIONAL
DEVELOPMENT
INITIATIVE

2010 - 2011

Guide to INTERNATIONAL DEVELOPMENT at MIT

web.mit.edu/idi





September 24, 2010

Dear Members of the MIT Community:

Welcome to the myriad ways you can explore and embrace international development at MIT. Since 2002, a diverse network of faculty, staff, and students has come together to organize an Activities Fair and other development-related special events, to publish this Guide, and to provide an essential introduction to the many MIT clubs, classes, competitions, and laboratories focused on global development. These activities fuel and complement efforts of the International Development Initiative (IDI) to build a strong international development ecosystem at MIT.

MIT encourages active participation in development issues, on campus and beyond, and I urge you to seek out these possibilities. Every year, more and more MIT students travel overseas through internships, curricular field experiences, or other opportunities to study or work abroad, and they often return with wonderful stories of personal and professional transformation. To match this rising student interest, our offerings are growing, too. This year, MISTI has launched both Brazil and Africa Programs. The D-Lab family of classes has added both a D-Lab Energy offering and a new freshman-oriented D-Lab Discovery, and the new Technology Dissemination Fellowships (TDFs) support students working to disseminate MIT-developed appropriate technologies in both Africa and India.

In keeping with MIT's long tradition of practical action and learning-by-doing, you might participate in development-related research projects — from off-grid water and sanitation solutions to mobile-enabled financial services to affordable health care innovations — or you might enter the extracurricular MIT IDEAS Global Challenge and \$100K Entrepreneurship Competitions to develop and deploy promising concepts and ventures to serve developing communities around the world. Grassroots student initiatives and more formal MIT research continue to spawn new businesses and industries to meet pressing human needs, while companies and NGOs founded by MIT alumni form a vibrant international network of creative service.

MIT strives to bring knowledge to bear on the world's great challenges, and our students, faculty, and staff live out this mission with unmatched ingenuity and passion. It is precisely this combination of innovation and commitment that the field of sustainable development needs now. I encourage you to make your own contributions to this vital effort.

Sincerely,

Susan Hockfield

SH/mes

Welcome

The primary goal of the MIT International Development Initiative (IDI) is to help you engage fully in international development at MIT and beyond. To kick off the 2010-2011 academic year, we host our 9th Annual MIT International Development Fair on September 24th, 2010. The Fair helps introduce incoming students and other members of the MIT community to the many student groups, classes, centers, programs and academic departments at MIT who, through their activities, have demonstrated an interest in sustainable international development.

Throughout the year IDI organizes large-scale, Institute-wide events spotlighting and celebrating aspects of international development at the Institute, in addition to the IDFair, including an end-of-semester fall Finale, the International Development Night in early Spring, and the end-of-semester Spring Showcase event featuring student projects from the D-Lab family of classes.

The content of this guide and other useful information can be viewed online at our website web.mit.edu/idi. We welcome your suggestions, questions, and ideas on promoting a greater understanding of the Institute's potential to be a leader in sustainable international development.

Finally, we would like to thank everyone who contributes to our vibrant global community at MIT.

Sincerely,

The Planning Team

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Introduction to International Development @ MIT

Joost Bonsen

The lack of clean water, nutritious food, sustainable energy, accessible communications, effective healthcare, efficient transport, affordable financial services, and basic education are each among the global mega-challenges affecting at least one billion people worldwide. It is central to achieving MIT's mission that we proactively seek solutions to these pressing international problems, and indeed, there is substantial and growing faculty research throughout MIT's five schools and myriad labs towards these ends. Furthermore, student contributions, both through experiential-learning action lab classes and extracurricular clubs, teams and initiatives are hugely important and are central to MIT's learning-by-doing ethos.

The full range of international development activities at the Institute can, however, be a bit difficult to grasp quickly or in its entirety. To help anyone interested in development meet one another and learn of the many opportunities at the Institute, a team of students and staff from the International Development Initiative (IDI) have rallied together a larger network, created the annual International Development Fair (IDF) hosted early in the Fall, and published this related Guide, all to showcase the many groups, projects and activities at the Institute that engage students in international development activities and provide the opportunity for students to meet and connect with others involved with practical and actionable global development at MIT.

Throughout the year, student clubs in energy and sustainability host regular talks and discussions. MIT's graduate student-run Muddy Charles Pub in Walker Memorial hosts informal development drinks and dinner gatherings to bring together Harvard and MIT students, as well as Monday Culture Nights featuring foods from different countries. The Technology & Culture Forum at MIT (TAC) offers public lectures and symposia throughout the year, often focused on development-related issues. In the Spring, the MIT Museum hosts the International Development Night to welcome both attendees of the Harvard-MIT International Development Conference (IDC) and our community at large.

The MIT IDEAS (Innovation-Development-Enterprise-Action-Service) Competition and the Global Challenge support teams that develop and implement projects that will have positive impact in the world. With the support of IDEAS, student teams can make progress toward solving challenges faced by communities, all driven by the spirit of public service and student enterprise. The most promising projects continue on beyond IDEAS, with further prototyping and field trials. They may form the basis for an entrepreneurial startup company, with many IDEAS participants also entering a business plan in the MIT \$100K Entrepreneurship Competition -- including Dinube, OneEarthDesigns, EGGEnergy and Global Cycle Solutions in this past year. Over the past eight years, IDEAS and \$100K winners have secured millions of dollars in follow-on funding for their service projects from sources including USAID, the World Bank Development Marketplace, angel financiers, and venture capitalists.

Several project-oriented development classes prepare students during the regular semester for time in the field during MIT's Independent Activity Period (IAP) in January or over the summer. These classes include the D-Lab offerings, or Development-Design-Dissemination Labs, including the new D-Lab Cycle Ventures, ICT4D, and Health classes as well as the joint Media Lab / Sloan course on Development Ventures (DV), and Sloan's Global Entrepreneurship Labs (G-Lab) offering on Global Health Delivery, the S-Lab classes on Sustainability, and L-Lab class on transformative leadership. Dozens more courses in Urban Planning, Architecture, the Media Lab, Sloan School, the Humanities, Arts, and Social Sciences as well as Engineering and the Sciences have international development aspects.

Anyone interested in international development at MIT can find information in this Guide and online via the IDI website. One growing focus of attention is the MIT International Development Initiative (IDI) as it brings together groups working on appropriate design solutions, engaging



Photo courtesy of the MIT Public Service Center

students in collaborative designs, and ultimately implementing and disseminating technologies in partner communities throughout the world. The International Development Group (IDG) within MIT's Department of Urban Studies and Planning conducts research and assists in the planning practice in countries around the world striving for social, political, and economic development. The Jameel Poverty Action Lab (J-PAL) in MIT's Economics department concentrates on poverty research based on randomized trials leading to clear scientific results that enable policy makers to more successfully combat poverty. These are only a few of the development initiatives at the Institute; there are many more focused programs in water and sanitation, clean energy, educational technology, and beyond.

Solving global giga-challenges requires a concert of methods, including cross-cutting approaches drawn from various emerging sectors, all while harnessing the full power of our triad of research, education, and extracurricular activities at MIT. Only through novel technological and social innovations can we address the greatest problems facing our planet.

The following broad categories should give some sense of the range of activities at the Institute:

Broad, Multi-Sector – A variety of groups cut across many sectors of global development at MIT, including the International Development Initiative, Sustainability @ MIT, the Global System for Sustainable Development, the MIT IDEAS Competition, the MIT Public Service Center, the Technology and Culture Forum at MIT, the International Development Group and the Global Poverty Initiative.

<http://web.mit.edu/idi/> & <http://sustainability.mit.edu> & <http://web.mit.edu/global/> & <http://web.mit.edu/ideas> & <http://web.mit.edu/mitpsc/> & <http://web.mit.edu/tac> & <http://web.mit.edu/dusp/idg/> & <http://gpi.mit.edu>

Business, Finance, and Entrepreneurship – At the intersection of business and finance and development are the MIT Entrepreneurship Center, Development Ventures, the Deshpande Center for Technological Innovation, the Legatum Center, and the MIT \$100K Entrepreneurship Competition.

<http://entrepreneurship.mit.edu/> & <http://developmentventures.org> & <http://web.mit.edu/deshpandecenter/> & <http://www.mit100k.org/> & <http://www.lcde.org/>

Communications, Computing, and Media – The Media Lab, the Computer Science and Artificial Intelligence Laboratory (CSAIL), and several departments engage in a wide variety of analysis and development projects related to next generation communication devices, network infrastructure, and higher level applications.

<http://www.media.mit.edu/> & <http://www.csail.mit.edu>

Education – The Media Lab, through programs such as Lifelong Kindergarten, is creating tools to expand the range and reach of creative educational possibilities. MIT's OpenCourseWare provides high quality course material to people around the world via the web. Other groups that are heavily involved in educational development include the Middle East Education through Technology (MEET), Expediting Access to Standard Education (EASE), American Students Promoting Iraqi Education (ASPIRE), the Global System for Sustainable Development, Learning International Networks Consortium (LINC), and the MIT-Africa Internet Technology Initiative (AITI).

<http://meet.csail.mit.edu/> & <http://web.mit.edu/ease/www/> & <http://web.mit.edu/mit-africa/www/home/> & <http://linc.mit.edu/> & <http://aiti.mit.edu>

Energy – The cross-campus Energy Initiative highlights how MIT expertise can address the world's energy crisis through research and education, for example, via the work in the Laboratory for Energy and Environment (LFEE), or on energy conversion technologies in the Microsystems Technology Lab (MTL). The student-run MIT Energy Club provides a cross-disciplinary forum for literature reviews and discussions of emerging energy technologies and runs the annual MIT Energy Conference.

<http://web.mit.edu/mitei/> & <http://mtlweb.mit.edu/> & <http://mitenergyclub.org>

Environment – Understanding and working within Earth's ecological constraints requires reliable scientific data about the evolution and current state of our planet. This is the goal of a number of different programs at MIT, including the Earth System Initiative, the Alliance for Global Sustainability, the Laboratory for Energy and the Environment, Sustainability@MIT, and the Technology and Culture (TAC) Forum at MIT. The Environment at MIT website surveys the research and education landscape and highlights on-campus initiatives.

<http://web.mit.edu/environment/> & <http://web.mit.edu/esi/> & <http://sustainability.mit.edu> & <http://web.mit.edu/tac/>

Health Care and Life Sciences – There is substantial fundamental through applied research at MIT in prosthetics, medical diagnostics, molecular therapeutics, and tissue engineering, just to name a few. Advanced research on infectious disease genomics and proteomics happens at the Whitehead and Broad Institutes. Low-cost X-Ray and agri- and bio-diagnostic labs-on-a-chip are among the research supported by the Deshpande Center in the School of Engineering. Innovations in International Health program focuses on medical devices for developing countries; the Global Health Initiative builds connections between members of the MIT community interested in global health issues.

<http://www.broad.mit.edu/> & <http://web.mit.edu/deshpandecenter/> & <http://hst.mit.edu> & <http://iih.mit.edu> & <http://globalhealth.mit.edu/ghi/>

Impact Assessment – The Jameel Poverty Action Lab (J-PAL), based in the Department of Economics, assesses the effectiveness of development efforts around the world through randomized trials of policy interventions, much like clinical trials validate the efficacy of pharmaceuticals.

<http://www.povertyactionlab.org/>

Labor, Migration, and Social Justice – The Migration and Development Working Group and Students for Labor Justice focus on issues in labor and development, including international and regional migration, fair trade, working conditions, and offshoring employment practices. Amnesty International and the MIT Program on Human Rights and Justice span the spectrum ranging from proactive tactics and advocacy through research and policy-making.
<<http://web.mit.edu/polisci/research/wgmd.html> & <http://web.mit.edu/labor/www/> & <http://web.mit.edu/amnesty/>

Law, Regulation, and Dispute Resolution – The Technology and Law Program bridges policy and technology, with special focus on sustainability, trade, and the environment. The MIT-Harvard Public Disputes Program seeks to understand mediation and other forms of consensus building to resolve public disputes surrounding resources, priorities, regulations, and other sources of conflict.
<http://web.mit.edu/ctpid/www/tl/> & <http://web.mit.edu/publicdisputes/>

Security and Disaster Relief – The Security Studies Program connected with the Political Science Department is a focal point for work in understanding the political, cultural, and strategic dimensions of conflict and international security. Other groups working in this area include MIT Humanitarian Demining and the Program on Human Rights and Justice.
<http://web.mit.edu/ssp/> & <http://web.mit.edu/phrj/> & <http://web.mit.edu/demining/>

Shelter and Urbanization – The Department of Urban Studies and Planning, particularly through the International Development Group (IDG), helps advance the state of the art in sustainable urbanization. The MIT Building Technology Program participates in cooperative projects to develop sustainable urban housing. The Smart Cities group is one of several efforts to pursue urban innovations.
<http://web.mit.edu/dusp/idg/> & <http://web.mit.edu/bt/www/> & <http://cities.media.mit.edu/>

Transportation – The Center for Transportation and Logistics (CTL) is a major node for research in ground transportation for people and freight, while the Department of Aeronautics and Astronautics focuses on air transportation innovations. The SmartCities group CityCar is one example of a School of Architecture and Planning-based effort to improve urban mobility. The Sloan Automotive Lab is one of the energy-related efforts focused on transportation fuel efficiency. And the Mobility initiative within D-Lab focuses on wheelchair designs suited for users in developing countries.
<http://ctl.mit.edu/> & <http://cities.media.mit.edu/> & <http://web.mit.edu/sloan-auto-lab> & <http://web.mit.edu/sp.784/www/>

Water–Major research into water and sanitation systems is centered in the Civil and Environmental Engineering Department and in Urban Studies and Planning, including both big infrastructure projects as well as highly distributed grassroots solutions. The Center for Ocean Engineering and Sea Grant Programs are foci for understanding soundly managed marine resources.
<http://web.mit.edu/watsan> & <http://dusp.mit.edu> & <http://oe.mit.edu/> & <http://web.mit.edu/seagrants>

Guide to Organizations

Abdul Latif Jameel Poverty Action Lab (J-PAL)

Website: www.povertyactionlab.org/

Contact: Dina Grossman <dina_g@mit.edu>

Description: The Abdul Latif Jameel Poverty Action Lab (J-PAL) is a center within the Department of Economics that aims to reduce poverty by ensuring that policy is based on scientific evidence. J-PAL serves as a hub for a network of more than 40 affiliated professors at universities around the world, who are united by their use of randomized evaluations to answer questions critical to poverty alleviation. J-PAL professors and staff work with NGOs, international organizations, and others to evaluate programs aimed at reducing poverty, and identify the most effective ways to achieve policy goals based on this rigorous body of research. These policy lessons are disseminated among policymakers to promote the scale-up of highly effective policies and programs in areas as diverse as boosting girls' attendance at primary schools, improving the output of farmers in sub-Saharan Africa, racial bias in employment in the US, and the role of women political leaders in India.

Participation: Recently matriculated undergraduates may apply for the opportunities posted at www.povertyactionlab.org/about-j-pal/jobs. UROP opportunities starting in the spring semester will be available for students who have taken 14.74 Foundations of Development Policy and 14.32 Econometrics.



Photo courtesy of the MIT J-PAL

AID-MIT

Website: www.aidindia.org, www.aidboston.org

Contact: <aidboston-exec@mit.edu>

Description: The Association for India's Development at MIT (AID-MIT) is a group committed to promoting sustainable, equitable and just development in India. AID-MIT closely collaborates with various chapters of AID across the country, particularly AID Boston. Our efforts are directed towards supporting non-government organizations in India at the grassroots level. Our collaborations span various interconnected spheres such as education, human rights, rehabilitation, environmentalism, public health, women's empowerment and social justice.

Participation: Volunteers are most welcome to join us in our efforts.

Africa Information Technology Initiative (AITI)

Website: aiti.mit.edu

Contact: <aiti@mit.edu>

Description: AITI is a student-run organization of Massachusetts Institute of Technology (MIT) that promotes development in Africa by cultivating young technology entrepreneurs. AITI develops curriculum materials, software technologies, platforms, and networks that enable African undergraduate students to innovate in the area of information and communication technologies (ICTs).

Amnesty International

Website: web.mit.edu/amnesty

Contact: <mitai-exec@mit.edu>

Description: Amnesty International is a non-governmental, non-partisan organization working for the protection of human rights. As one of the largest human rights organizations in the world (over 1 million members in 45 countries), Amnesty International uses its broad international membership to publicize cases of human rights abuse and brings international pressure to bear on the governments in question, thereby aiding the development of political and human rights around the world.

Participation: Chapter meetings are open to all.

Asha for Education

Website: www.ashanet.org/mit

Contact: <mit@ashanet.org, tkb@mit.edu>

Description: Asha for Education is an all-volunteer, non-profit organization working to educate underprivileged children in India based on the belief that education is a critical requisite for socio-economic change. Since its inception in 1991, Asha has raised and disbursed over \$5 million and has directly supported 385 projects in 24 states benefiting thousands of children in India. Asha's MIT chapter, founded in 1995, has developed long-standing ties to people and organizations in India working to expand and improve education.

Participation: Anyone who is interested in supporting education related efforts in India.

ASPIRE (American Students Promoting Iraqi Education)

Website: web.mit.edu/mitaspire

Contact: <aspire-exec@mit.edu>

Description: Aspire runs a fun weekend volunteering activity in which you can support fellow academics in war-torn countries. We provide roughly 25,000 medical and engineering textbooks per year to universities in Iraq, Liberia, Uganda, Rwanda, and other nations.

Participation: All MIT community members (including staff, postdocs, faculty, undergrads, and grad students).

Association of International Relations and Model United Nations (AIRMUN)

Website: web.mit.edu/airmun

Contact: Executive Board <airmun-exec@mit.edu>



Photo courtesy of AIRMUN

Description: The Association of International Relations and Model United Nations (AIRMUN) is a group that organizes trips to Model United Nations conferences, hosts guest speakers relevant to current global issues, international development and international relations, and organizes a high school Model United Nations conference, MITMUNC.

Participation: Any member of the MIT community.

Center for Bilingual/Bicultural Studies

Website: web.mit.edu/cbbs/

Contact: Andrea Wirth <awirth@mit.edu>

Description: The Center for Bilingual/Bicultural Studies at MIT is an interdisciplinary center in Foreign Languages and Literatures devoted to examining the multifaceted intersections between languages and cultures in the global environment of the 21st century. Since its inception in 1999, CB/BS has been committed to exploring the impact on art, identity, and cultural politics of crossing linguistic, national, and cultural boundaries. Each year the Center sponsors visiting writers, artists, filmmakers and scholars, classes, seminar series, web resources, student projects, faculty research, conferences, audio and video projects, and publications. Please see the web site for a list of current activities throughout the year.

Participation: Anyone!

China Development Initiative (CDI)

Website: web.mit.edu/cdi/

Contact: <mit-cdi@mit.edu>

Description: China Development Initiative (CDI) is a student-run organization that is focused on providing sustainable programs related to China's development for MIT students. The goal of CDI is to provide MIT students with more opportunities to learn about China's development.

Participation: Any MIT undergrad or grad students.

Community Water Solutions

Website: www.communitywatersolutions.org

Contact: <info@communitywatersolutions.org>

Description: Community Water Solutions' mission is to address the urgent need for clean water and prevent diarrheal disease in developing countries by establishing sustainable water treatment businesses in communities of the developing world. These businesses employ inexpensive and simple water treatment technologies and are adaptable to any community. CWS has recently launched the CWS Fellowship Program, a three-week water education and leadership training experience in Ghana that teaches individuals about the global water crisis, and hopes to inspire them to become leaders in the field of international development. Interested in working with CWS in Ghana? Apply to the CWS Fellowship Program! We are offering 4 sessions in 2011.



Photo courtesy of the MIT Public Service Center

Participation: Undergraduate and Graduate students.

Developing World Prosthetics (DWP)

Website: web.mit.edu/sp.714/www/home.html

Contact: Ken Endo <kene@mit.edu>

Description: Developing World Prosthetics (DWP) is a non-profit organization dedicated to the design and deployment of prosthetic limbs, orthotic braces, mobility aids, and fitment and rehabilitation devices for patients in developing nations. In collaboration with the Jaipur Foot Organization (JFO) and other multinational rehabilitation organizations, we are increasing the number and quality of low-cost, specialized mobility devices that are specifically designed for large patient throughput. This fall, projects are continuing through UROPs, and undergraduate mechanical engineering theses. We are also offering a class, Developing World Prosthetics SP.714, in the spring semester as a part of the D-Lab family of classes.

Participation: Anyone; particularly looking for members to help with website design, grant writing, pursuing relationships with other non-profits, CAD and machining prototypes.



Photo courtesy of the MIT Public Service Center

Development Ventures Initiative

Website: developmentventures.org &

admissions.media.mit.edu/admissions/program-overview/entrepreneurship-program

Contact: Alex (Sandy) Pentland <pentland@mit.edu>, Joost Bonsen <jpbonsen@alum.mit.edu>

Description: The MIT Development Ventures Initiative (DV) focuses on design and implementation of commercially sustainable products and services for low-income people around the world. DV helps students invent new technologies and organizations, increases their understanding of the challenges faced by low income communities, connects them to other resources at MIT and elsewhere that may help them design and implement sustainable ventures, and conducts research that may be useful to entrepreneurs and enterprises. DV strives to provide support for MIT-related entrepreneurs focused on low-income communities, providing travel funds and project Seed and Action Grants to develop their ideas, along with a vibrant network to help them grow and nurture their dreams. DV is part of the growing Media Lab Entrepreneurship Program and operates in conjunction with the MIT Entrepreneurship Center, the MIT International Development Initiative (IDI), and the MIT Design Lab (1) to offer instruction in development-oriented entrepreneurship, including running the D-Lab Development Ventures class since 2001; (2) to work with the International Development Network (IDN) on development-oriented programs and activities at MIT; (3) to build the Global Venture Network (GVN) in partnership with the MIT Alumni Association and MIT Enterprise Forum Global; (4) to engage Media Lab and MIT-related and sponsoring companies around development-oriented product lines and corporate ventures, and (5) to support innovation challenges, including the student-run MIT \$100K Entrepreneurship Competition Development Track.

Participation: Anyone interested.

D-Lab

Website: d-lab.mit.edu

Contact: <d-lab@mit.edu>

Description: D-lab is a program that fosters the development of appropriate technologies and sustainable solutions within the framework of international development. D-Lab's mission is to improve the quality of life of low-income households through the creation and implementation of low cost technologies. D-Lab's portfolio of technologies also serves as an educational vehicle that allows students to gain an optimistic and practical understanding of their roles in alleviating poverty. There are currently thirteen different academic offerings that make up the suite of D-Lab classes, falling into the broad categories of Development, Design and Dissemination. All D-Lab courses are based on the same values and principles of providing experiential learning, using technology to address poverty, building the local creative capacity, promoting local innovation, valuing indigenous knowledge, fostering participatory development and co-creation, and building sustainable organizations and partnerships.



Photo courtesy of D-Lab

Participation: Students who register and take each class, graduate students interested in leading trips or mentoring projects, or international student groups that would like to host a field site.



Photo courtesy of the Emerge Global

From the Emerge Lanka first annual reunion, a plate illustrating one girl's hopes and dreams.

Emerge Global

Website: www.emergeglobal.org/

Contact: Lyndz Steeves <lyndz@emergeglobal.org>

Description: Emerge Global supports Sri Lankan girls, ages 10-18, who have been removed from their homes due to past abuse or the threat of abuse. The Emerge Bead Program equips these girls with skills and resources for their futures, using a comprehensive curriculum that emphasizes leadership, life skills, and business knowledge, while simultaneously generating a financial foundation for each participant through the creation of unique jewelry. We hope to one day enable young women around the world who have survived abuse to rediscover and celebrate their personal beauty, develop their self-sufficiency, and become leaders within their own communities.

Participation: Looking for vibrant undergrad and graduate students with a passion for international development, social enterprise, and women's rights. Great chance to shape a young and growing organization!

Engineers Without Borders – MIT Chapter (EWB-MIT)

Website: ewb.mit.edu

Contact: <ewb-exec@mit.edu>

Description: Engineers Without Borders (EWB) is a national, non-profit, humanitarian organization aiming to improve the quality of life in developing communities worldwide through the implementation of technology, education, and lasting community relationships. EWB-MIT partners with communities to design and implement technologies and has current water and energy projects in Uganda.

Participation: All MIT undergraduates, graduates, faculty and staff.

Expediting Access to Standard Education (EASE)

Website: web.mit.edu/ease

Contact: <ease-exec@mit.edu>

Description: MIT Expediting Access to Standard Education (MIT EASE) works hand in hand with EASE Ghana to ensure that under-privileged children in rural parts of Ghana receive basic education; school fees and other requirements for school are provided.

Participation: Anyone who is interested.

Food/Ag Group

Website: food-ag.mit.edu/

Contact: Shayna Harris <Ssharris@mit.edu>

Description: The MIT Food and Agriculture Collaborative brings together students – and other MIT community members - to coordinate and support work in the areas of food and agriculture. Members are actively engaged in advocating for and supporting the development of a more sustainable food system on our own campus and in our local community. We also work to enhance MIT's role in contributing to the broader discourse on agricultural sustainability across the global system.

Participation: Listserv sign up: mailman.mit.edu/mailman/listinfo/food.



Photo courtesy of Food/Ag Group

Foreign Languages and Literatures Section

Website: web.mit.edu/fl/

Contact: Andrea Wirth <awirth@mit.edu>

Description: Students at MIT have the unique opportunity to combine an extraordinary professional training with a first-rate humanistic education. MIT's educational mission involves providing students with the tools for a sensitive and successful involvement in the global community. The Foreign Languages and Literatures Section (FL&L) contributes in significant ways to the internationalization of MIT's education. MIT provides a unique perspective on foreign languages because of the opportunities available to integrate the study of natural languages with the latest technological advances in multimedia and interactive language learning. FL&L-affiliated faculty are exploring and implementing methods in which multimedia technology can be used to make learning a foreign language a more authentic experience.



Photo courtesy of the MIT Public Service Center

Jodie Wu working with farmers in Tanzania, using the bicycle powered corn sheller.

Global Cycle Solutions

Website: globalcyclesolutions.com

Contact: <info@globalcyclesolutions.com>

Description: Global Cycle Solutions (GCS) develops and sells affordable and clean technology in the form of bicycle add-on devices. Our current product portfolio includes a corn sheller and mobile phone charger. The vision of GCS is to disseminate appropriate technology and its accompanying knowledge around the world. As strong believers in co-creation, we work within existing infrastructure and channels to spur community development through pedal-powered innovations.

Participation: Full-time or Part-time; on-site work - 3-month minimum and proficient in Kiswahili; work experience in developing countries is preferred.

Global Poverty Initiative (GPI)

Website: gpi.mit.edu

Contact: gpi-board@mit.edu

Description: The Global Poverty Initiative at MIT is a student led organization that directly engages the MIT community in the fight against global poverty. Over 3 years ago a small group of undergraduates dedicated to raising awareness about the need for more support for international development. GPI envisions a broader MIT international development community where departments and programs are coordinated in a way that maximizes the impact of their projects and is accessible to undergraduate and graduate students alike.

Participation: All people are encouraged to participate as a GPI team member, volunteer and/or event attendee.

Global Village Project

Website: engineering.mit.edu/about/initiatives/globalvillageproject.php

Contact: Scot Frank <globalvillage@mit.edu>



Photo courtesy of the MIT Public Service Center

Description: The MIT Global Village Project engages students, faculty, and alumni with communities in developing countries to design sustainable solutions to ongoing challenges. These long-term collaborations with project sites around the world foster a deep understanding of the local context and community needs, while enabling projects to develop to their full capacity. Participants in the Project build skills and understanding of real-world problem solving through experiential learning and applied engineering to generate sustainable community benefits. Accepted students receive faculty and community partner support, academic credit, as well as financial support for travel and material expenses for one year.

Participation: Open to MIT students, faculty, and alumni.

H2O-1B (Safe Water for 1 Billion People)

Website: web.mit.edu/watsan

Contact: Susan Murcott <murcott@mit.edu>, Eric Adams <eeadams@mit.edu>

Description: Since 1998, the Civil & Environmental Engineering Department's Master of Engineering program has engaged graduate students in multi-disciplinary teams (with students from Sloan GLab, Urban Studies and Planning and other departments) to work on water and sanitation projects in developing countries, including sites in Asia, Africa and Latin America. We call this effort "Safe Water for 1 Billion People (H2O-1B)." Throughout the academic year, students work in teams with local partners to assess water quality, design treatment systems, emphasizing appropriate and sustainable development concepts. Teams travel to field sites during IAP to gather data and implement best solutions. The student's Masters thesis is usually derived from their group project work.



Photo courtesy of the WATSAN

Participation: Most participants are enrolled in the department's 9-month Master of Engineering Program, but graduate students from other departments and some undergraduate UROPs and have also participated in multi-disciplinary teams.

IDEAS Competition and the MIT Global Challenge

Website: mitpsc.mit.edu/ideas

Contact: <ideas-admin@mit.edu>

Description: The annual IDEAS Competition encourages teams to collaborate with a community partner to develop and implement projects that reduce barriers to well-being. IDEAS – which stands for Innovation, Development, Enterprise, Action and Service – awards up to \$10,000 to teams demonstrating the greatest innovation, feasibility, and impact. In 2010 the IDEAS Competition will launch the MIT Global Challenge, an invitation to the worldwide MIT community to work with IDEAS teams to advance their projects. Through the Global Challenge, IDEAS teams can win an additional \$15,000.



IDEAS Competition poster session in Lobby 7.

Photo courtesy of the MIT Public Service Center

Participation: All teams must be composed of one-third full-time MIT students, who must contribute significantly toward the innovation. Development grants are available to assist teams refine their project proposals. Final entries are due April 5, 2011 and will be judged by a panel of experts on April 25. Awards will be announced during an Awards Ceremony May 2, 2011. Winning teams have up to one year to implement their projects.

iHouse: International House for Global Leadership

Website: web.mit.edu/ihouse

Contact: <ihouse-announce@mit.edu>

Description: The International House for Global Leadership, or iHouse, is a living-learning community consisting of 21 undergraduate students passionate about international development. iHouse was established on the vision that a community promoting a combination of academics, project-based learning, mentorship opportunities, and leadership skills development is necessary at MIT to foster the next generation of global leaders solving international problems. Our mission is therefore to complement the academic offerings in international development at MIT with the principles, tools, networks, and experiences necessary for undergraduates to become leaders in international development. To fulfill this mission, we have created a close-knit, collaborative community that promotes the international development-related programs that MIT offers, encourages project-based learning, exposes students to various opportunities that enhance leadership skills, and provides a strong mentorship network for students.

Participation: Undergraduates of all class levels can apply to live in iHouse. Social membership is also an option.

International Development Consulting

Website: web.mit.edu/idc

Contact: <idc-exec@mit.edu>

Description: MIT International Development Consulting pairs passionate MIT students with exciting international development projects on four continents. Our mission is to improve the efficiency and sustainability of development efforts by offering consulting services using the business knowledge and engineering talent of MIT students.

Participation: Any MIT student.

International Development Group (Department of Urban Studies and Planning)

Website: web.mit.edu/dusp/idg

Contact: Balakrishnan Rajagopal, IDG Head, <braj@mit.edu>

Description: The International Development Group, which is composed of graduate students and faculty in the Department of Urban Studies and Planning, conducts research and help with planning practice in low-income countries around the world that are striving for social, political, and economic development. IDG covers issues ranging from comparative urban development, human rights, land use and property rights, regional planning, the role of law in development, infrastructure, labor and employment, municipal finance, and distributional consequences of development in general. IDG faculty and students believe that effective planners operating in today's world must acquire an institutional and integrated view of economic, physical, political, legal, and social factors and be able to link issues at multiple scales while looking for solutions.

Participation: Students from all departments are encouraged to take IDG courses and participate in IDG activities. To facilitate exchange among faculty and students, we encourage participation in IDG events and with the Special Program for Urban and Regional Studies (SPURS) who hosts an annual cohort of development experts, scholars, and practitioners from the developing world. Please contact braj@mit.edu for more information.

International Development Design Summit

Website: www.iddsummit.org

Contact: Amy Smith <idds@mit.edu>

Description: IDDS is a month-long, intense design experience that brings together students, faculty, and community partners from all over the world to create technologies and ventures to improve the lives of people in the developing world. IDDS 2011 will take place at the Kwame Nkrumah University of Science and Technology in Ghana, enabling participants to travel more easily to rural villages where they can collaborate with potential end users throughout the entire design process. IDDS is a joint effort, organized by MIT, Olin College, Cooper Perkins, KNUST and Colorado State University.

Participation: Students and members of the MIT community may join the organizing committee or may apply to participate in the summit.

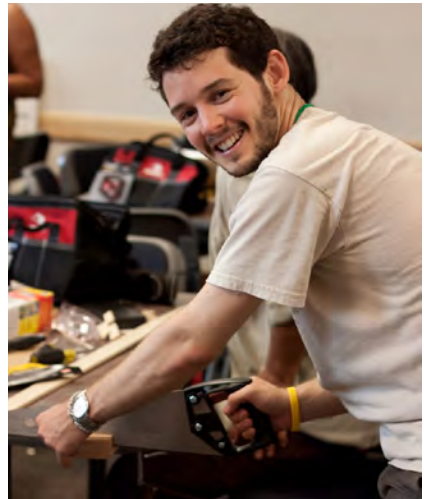


Photo courtesy of Nathan Cooke

International Development Initiative (IDI)

Website: web.mit.edu/idi

Contact: [Laura Sampath <idi@mit.edu>](mailto:Laura_Sampath@mit.edu)

Description: The International Development Initiative (IDI) contributes to strengthening the international development ecosystem at MIT. An ever-growing area of interest for students and faculty, IDI aims to serve the MIT community through programs, campus-wide networking events, a comprehensive overview of the various ways to get involved in International Development. In addition, IDI serves as a resource for advice, guidance, and connections for best practices in international development.

Participation: Open to MIT students and others in the MIT community.

Innovations in International Health @ MIT

Website: iih.mit.edu

Contact: [Jose Gomez-Marquez <jfgm@mit.edu>](mailto:jfgm@mit.edu), [Anna Young <akyoung@mit.edu>](mailto:akyoung@mit.edu)

Description: The Innovations in International Health program aims to accelerate the development of global health technologies that address the needs of patients and physicians in resource-poor settings. Working with a network of researchers, doctors, inventors, and clinicians, IIH enhances the sustainability of its technologies by bridging the gap between the invention, funding, and clinical trial stages of medical products aimed at patients in the developing world. Our members' presence in more than 15 countries, including 3 H-Lab medical innovation sites, gives our group effective global reach in medical technology transfer, scaling up, and saving lives. In addition, our D-Lab Health academic offering teaches students the current state of global health and how to structure innovative responses to healthcare challenges. Students will employ hands-on medical-technology-learning modules, experience on-site visits in Nicaragua, and participate in real-world design collaboration with international partners.

Participation: Opportunities are available for UROP positions, open to undergraduate students, and volunteer positions, open to graduate students and other members of the MIT community. Contact helloiih@mit.edu for more information.



Photo courtesy of Nathan Cooke

Jose Gomez Marquez demonstrates a bike pump powered nebulizer to IIH students.

Komaza

Website: web.mit.edu/komaza

Contact: [<komaza-official@mit.edu>](mailto:komaza-official@mit.edu)

Description: Komaza is a unique student-run magazine featuring the international development experiences of MIT students and alumnae. Issues of Komaza have a bright design, an informal style, and ample amounts of eye-catching photos. We present diverse content ranging from students' project details to their cultural experiences in a fun and easy-to-read format.

Participation: Undergraduate and graduate students. Experience in writing or editing is helpful but not necessary. Komaza staff have the opportunity to learn about a variety of ID projects firsthand and to share that information with the MIT community. Faculty and staff are invited to be a part of our advisory board.

Legatum Center for Development and Entrepreneurship

Website: legatum.mit.edu

Contact: [<legatum@mit.edu>](mailto:legatum@mit.edu)

Description: The Legatum Center for Development and Entrepreneurship at MIT was founded on the belief that economic progress and good governance in low-income countries emerge from entrepreneurship and innovations that empower ordinary citizens. It administers programs and events that promote and shape discourse on bottom-up development, including a highly competitive fellowship for MIT graduate students who intend to launch enterprises in low-income countries. In addition, the Center convenes an annual conference; hosts a lecture series; and supports, with seed grants, teams of MIT students passionate about starting viable businesses in the developing world.



Photo courtesy of Legatum Center

Participation: The application process for fellowships for the 2011-2012 academic year runs from September to January and is open to current or incoming MIT graduate students from any degree-granting Institute program. Graduate and undergraduate students from MIT are eligible to apply for seed grants. The annual conference and lecture series are open to the MIT community.

\$30,000 Lemelson-MIT Student Prize

Website: web.mit.edu/invent/a-student.html

Contact: Ed Canton [<lemelson_awards@mit.edu>](mailto:lemelson_awards@mit.edu)

Description: The prestigious \$30,000 Lemelson-MIT Student Prize serves as a catalyst to help today's young inventors rise into tomorrow's technological and entrepreneurial leaders. It is awarded annually to an inventive graduate student or graduating senior at MIT. Publicity around the award can lead to invaluable exposure to science, business, and investment communities. Past winners and finalists include Amy Smith, who invented low-tech devices that address problems in developing countries; Nathan Ball, who invented life-saving technologies such as a device for rapid vertical mobility; Aviva Presser for her work with microbial fuel cell technology; and Amos Winter for his work on the Leveraged Freedom Chair. The Lemelson-MIT Program recognizes outstanding inventors, encourages sustainable new solutions to real-world problems, and enables and inspires young people to pursue creative lives and careers through invention. Students can apply online at

Participation: MIT seniors and graduate students.

Middle East Education through Technology (MEET)

Website: meet.csail.mit.edu

Contact: <info@meet.csail.mit.edu>

Description: MEET is an innovative educational initiative started in 2003 that aims to create a common professional language between Israeli and Palestinian leaders. Working together with students and faculty at MIT, MEET has created a three-year computer science and business program for Palestinian and Israeli high school students.



Photo courtesy of MEET

Participation: Anyone.

MIT STAND

Website: web.mit.edu/mit-stand

Contact: <mitstand-exec@mit.edu>

Description: MIT STAND (Students Taking Action Now: Darfur) is a student anti-genocide group that began with activism concerning the Darfur genocide but has expanded to speak out against genocides globally in general as well. MIT STAND works with the national organization of STAND, which operates under the umbrella organization of Genocide Intervention Network. Currently our primary concern right now is the coming referendum in Sudan. On the education front, we will ask speakers to talk about the situation in Sudan. On the activism front, we plan to collect letters from the MIT community to send to Washington, D.C., and organize mass phone calls to the capital.

Participation: Meetings and activities open to all.

MIT \$100K Business Plan Competition: Emerging Market Track

Website: www.mit100k.org

Contact: Lilian Tse <ltse@mit.edu>

Description: Now in its 20th year, the MIT \$100K Entrepreneurship Competition has awarded hundreds of thousands of dollars in cash and business start up services to outstanding teams of student entrepreneurs for new ventures showing significant business potential. The competition has three parts (Elevator Pitch Competition, Executive Summary Competition, and Business Plan Competition) designed to help students hone in the critical skills for launching a start-up. The MIT \$100K launched the Emerging Market Track in 2006 to create transformation change in emerging markets through business. Since its inception, the Emerging Market Track has helped launch over 50 revolutionary business ideas, ranging from income-generating bicycles to cell phone-enabled medical diagnostics for the rural poor.

Participation: All teams must have at least one MIT student to be eligible.



Photo courtesy of MIT Public Service Center

M-Lab (Mobility Lab)

Website: mlab.mit.edu

Contact: Amos Winter <awinter@mit.edu>, Mario Bollini <mbollini@mit.edu>

Description: M-Lab is an organization that is focused on improving the design and distribution of mobility aids worldwide while training MIT students as global citizens. M-Lab fosters international partnerships and cultural exchange by sponsoring student travel to community partner organizations to develop, test, and implement new designs, as well as bring mobility experts from around the world to interact with the MIT community. As an academic entity, M-Lab provides a physical space to develop projects as well as a group through which students can pursue these/ independent research projects, publish papers, and attend conferences.

Participation: Any MIT students interested in improving mobility aid design and distribution in developing countries.

One Earth Designs

Website: www.oneearthdesigns.org/

Contact: <info@oneearthdesigns.org>

Description: One Earth Designs is a social enterprise led by young entrepreneurs from the US and China. OED works with Asian and Himalayan communities to design and implement science and engineering solutions that help maintain healthy environments in a locally appropriate manner. Their current work includes energy technology development, water quality and supply, ICT4D, and environmental education.

Participation: We welcome all members of the MIT community.



Photo courtesy of the MIT Public Service Center

Public Service Center

Website: web.mit.edu/mitpsc

Contact: Sally Susnowitz <susnowit@mit.edu>, <psc@mit.edu>

Description: The PSC offers advising, planning, and financial assistance for students interested in all types of public service work, including international development work. Through a range of exploratory and implementation programs, including Internships, Fellowships, Grants, Service Learning, the MIT IDEAS Competition and the Global Challenge, the PSC supports students by providing effective and collaborative services for communities worldwide. Some of our programs also support alumni participation.

Participation: Continuing MIT undergraduate and graduate students can use all PSC resources. Grants and planning assistance are available to all MIT community members for projects that involve MIT students in public service. Faculty and alumni are also welcome as team members, project advisors and mentors.

Sanergy

Website: kenyasenergy.blogspot.com

Contact: Anirudh Vallabhaneni <aniv@mit.edu>, Jeffrey Zira <jeffzira@mit.edu>, David Auerbach <dswa@mit.edu>

Description: More than 2.6 billion people lack access to sanitation in the developing world. This leads to over 1.7 million deaths each year through water-borne diarrheal diseases. At the same time, access to energy in the developing world is extremely limited and expensive. Sanergy, founded by three MIT Sloan students, provides sanitation services to previously unreachable slums of Kenya through a network of franchised sanitation centers. Sanergy collects the waste and converts it into electricity and fertilizer for the surrounding community. Over the summer of 2010, Sanergy launched two pilot sites in Kibera and Lunga Lunga (both slums of Nairobi).

Participation: any member of the MIT community interested in developing innovative market-based solutions to address the global sanitation crisis to join our efforts.



Taking a break from digging foundation for a Sanergy Ecosan toilet in Kenya.

Photo courtesy of Sanergy

Sloan Africa Business Club

Website: web.mit.edu/sloanafrica

Contact: <africanbcofficers@sloan.mit.edu>

Description: The MIT Sloan ABC is an all-inclusive organization that strives to increase awareness of African business and culture within the MIT community. The club is committed to promoting discussion of economic and social issues in Africa, providing an avenue for students interested in careers in Africa to interact with potential employers and other like-minded students, and strengthening ties among students, alumni, and African business professionals.

Participation: The club is open to all persons affiliated with MIT with an interest in Africa.

Sloan Entrepreneurs for International Development (SEID)

Website: web.mit.edu/seid/

Contact: <seidofficers@sloan.mit.edu>

Description: Sloan Entrepreneurs for International Development (SEID) seeks to drive sustainable global development through entrepreneurship by fostering productive collaborations between students and new ventures in emerging markets and by raising awareness of current challenges and success models. Throughout the school year, SEID helps students at Sloan and across MIT engage in international development by offering a series of events and speakers, developing short-term consultancy projects and providing career-related networking opportunities.

Participation: While membership is restricted to MIT Sloan students, all SEID events are open to the entire MIT community.

STG International (Solar Turbine Group)

Website: www.stginternational.org

Contact: <info@stginternational.org>

Description: STG International is a non-profit organization founded with the dual goals of renewable energy technology development and micro-enterprise fostering, specifically focused on rural areas of developing nations.

Participation: Students, engineers and entrepreneurs interested in promoting renewable energy in the developing world.



STG Engineers in front of the Ha Teboho installation.

Photo courtesy of STG

Southeast Asian Service Leadership Network (SEALNet)

Website: www.sealnetonline.org

Contact: <sealnet-exec@mit.edu>

Description: SEALNet is a nonprofit organization established in 2004. Its mission is to promote the spirit of service leadership in Southeast Asia. Every year, SEALNet sends teams of college students to Southeast Asian countries to conduct summer projects with local communities and students. These projects focus on various social issues, such as health, arts revival, education, and environment. Although the projects only take place during the summer, the bonds forged through SEALNet are long-lasting, creating a support network of service leaders spanning the globe.

Participation: Anyone who is passionate about the development of Southeast Asia, and interested in bringing service and teaching leadership skills to empower the youths of Southeast Asia.

Special Interest Group in Urban Settlement (SIGUS)

Website: web.mit.edu/sigus

Contact: <sigus@mit.edu>, <rgoethert@mit.edu>

Description: SIGUS explores methods for promoting affordable and equitable housing for low-income communities, with focus in developing countries. It champions participatory technique through short workshops and courses, and undertakes research on innovative approaches in support of low-income housing. It concentrates on the new professionalism emerging for designers, architects, and planners demanding a shift in practice and teaching. SIGUS has over 15 years of experience in Action-Learning workshops. It has lead programs in Peru, Ecuador, Poland, Vietnam, Cambodia, Thailand, Laos, India, Bhutan, Syria, and Ethiopia; hosted by governments, development agencies, or NGOs, with local universities as counterparts. Current focus on incremental housing as a proactive strategy for urban areas, and effective rebuilding in Haiti.

Participation: Open to all.



A SEALNet computer session in Laos, 2009.

Photo courtesy of SEALNet

Special Program for Urban and Regional Studies (SPURS)/ SPURS Fellows

Website: web.mit.edu/spurs/www/

Contact: Bish Sanyal <sanyal@mit.edu>, Nimfa de Leon <nvdeleon@mit.edu>, Xin Li <xinli@mit.edu>, Graham Denyer Willis <g_dw@mit.edu>

Description: The Special Program for Urban and Regional Studies (SPURS) is a one-year, non-degree program designed for mid-career professionals from newly industrializing countries. Founded in 1967 in the Department of Urban Studies and Planning (DUSP), SPURS has a long-standing commitment to bringing outstanding development planners to MIT to reflect on their professional practice. The program is designed to nurture individuals, often at turning points in their professional careers, to retool and reflect on their policy-making and planning skills. SPURS Fellows return to their countries with a better understanding of the complex relationships between local, regional, and international issues. SPURS has hosted over 550 women and men from more than 90 countries in Latin America, Asia, Africa, the Middle East, and Eastern and Central Europe. SPURS enables the MIT community to build professional and personal connections with these advanced professionals from the developing world. In 2010-2011, there are 16 SPURS Fellows, ranging from politicians to planners and engineers.

Participation: The program is open to through two streams: 1) to individuals who apply and are accepted by the Hubert Humphrey Fellowship of the Institute of International Education (IIE), and; 2) to individuals sponsored by institutions, governments or personal funds applying to directly to SPURS.

Students for Bhopal

Website: boston4bhopal.org

Contact: <Bhopal-exec@mit.edu>

Description: The mission of MIT Students for Bhopal is to support the survivors of the Bhopal disaster and to raise awareness in the MIT community about the Bhopal disaster and its consequences

Participation: Open to the entire MIT community.

The Technology and Culture Forum at MIT

Website: web.mit.edu/tac

Contact: Janie Donohue <jdonohue@mit.edu>, Patricia Weinmann <weinmann@mit.edu>, Christina English <cenglish@mit.edu>

Description: The Technology and Culture Forum at MIT sponsors lectures, symposia and meetings that address critical issues of our time. The programs explore the role of science and technology in promoting positive social, ecological, and economic change. In addition, the forum stimulates discussion about the ethical implications of scientific discovery and technological innovations. During the 2010–2011 academic year, offerings will include a year-long series on violence and women, a program on race and politics in the media, events on international development, sustainability and the environment, a two-day conference on building an ethical economy, an in-depth look at geo-engineering, discussions regarding robotic warfare, and an undergraduate seminar on ethics in Spring 2011.

Participation: A Steering Committee, comprised of students, faculty and alums, plans and coordinates events. All MIT students, faculty, staff and the public are invited to most events.

Technology and Development Program (TDP)

Website: web.mit.edu/mit-tdp/www

Contact: Susan Cass <tdpmail@mit.edu>

Description: TDP provides developing nations greater access to scientific and technological capabilities through collaborative research and educational programs. TDP's most recent collaborative program is the Masdar Institute of Science and Technology in Abu Dhabi. The need for regional and global energy sustainability is the driving force behind the establishment of The Masdar Institute of Science and Technology. This graduate level university is dedicated to the development of new and viable energy technologies and policies. The Masdar Institute, established with the assistance of TDP, is working with the Government of Abu Dhabi and industry to offer a landmark opportunity for world-class graduate level research and education.

Participation: MIT graduate students may participate as teaching or research assistants with the agreement of the MIT professor or principal investigator. Undergraduate students may consider applying to Masdar for postgraduate study.

Unite for Sight

Website: www.uniteforsight.org/

Contact: <mituniteforsight-exec@mit.edu>

Description: Unite for Sight is an international organization that empowers communities worldwide to improve eye health and eliminate preventable blindness, one of the world's most urgent problems. The MIT chapter holds free community vision screenings, vision education programs, fundraising events, and eyeglass drives.

Participation: Open to any MIT student, in particular students who are interested in working on fundraising and community vision screenings.



The future of D-Lab.

Photo courtesy of MIT Public Service Center

Development Related Resources at MIT

Funding

Carnegie Endowment for International Peace

Website: web.mit.edu/cis/fo2_9.html

Purpose: Carnegie runs an annual national competition to select from 8-10 graduating seniors to be research fellows in its DC offices. Successful applicants are matched with a senior associate—academics, former government officials, lawyers and journalists from around the world—to work on a variety of international affairs issues.

Amount: \$2,750 per month; Full benefits package also provided

Time Commitment: 1 year

Eligibility: MIT graduating seniors or have graduated from MIT within the past year

Timing: December

Carroll L. Wilson Award

Website: entrepreneurship.mit.edu/wilson_award.php

Purpose: To provide opportunities for MIT graduate students to study an important societal problem with international dimensions.

Amount: Four or five \$5,000 awards each year

Time Commitment: Approx. six weeks

Eligibility: MIT graduate students selected through a competitive evaluation of proposals by the Carroll Wilson Award Selection Committee

Timing: January

CIS Summer Study Grants

Website: web.mit.edu/cis/fo2_2.html

Purpose: To support dissertation research primarily on international aspects of such issues as energy and the environment, and the relationship between energy and security, although a broad range of international issues will be considered.

Amount: \$5,000

Time Commitment: Summer

Eligibility: Doctoral students studying international affairs

Timing: February

Echoing Green Fellowship

Website: www.echoinggreen.org

Purpose: For individuals with innovative ideas for creating new models for tackling seemingly unsolvable social challenges. These Fellowships offer them the opportunity to develop and test their ideas.

Amount: \$60,000 for individuals, \$90,000 for partnerships

Time Commitment: 2 years
Eligibility: Applicants 18 years and older
Timing: Early December

Eloranta Fellowship

Website: web.mit.edu/eloranta

Purpose: Student-originated and/or directed research, investigation, or creative study in any field.

Amount: \$6,000; Allowable expenses: living, travel, or materials and service costs

Time Commitment: Full-time summer occupation

Eligibility: MIT undergraduates (including June graduates)

Timing: Early April

Fulbright-Hays Doctoral Dissertation Research Abroad Fellowship

Website: web.mit.edu/scholarships/details/fulbright-hays.htm

Purpose: To support dissertation research in foreign languages and area studies.

Amount: Average fellowship amount is \$32,356

Time Commitment: During doctorate

Eligibility: Graduate students

Timing: MIT Deadline in Late September – Early October

Fulbright Program for US Students

Website: web.mit.edu/scholarships/details/fulbright.htm

Purpose: Advanced research, graduate study, or teaching at the university, secondary or elementary level.

Amount: Travel & educational expenses; language or orientation courses; maintenance for one academic year; supplemental health and accident insurance

Time Commitment: During graduate studies

Eligibility: Graduating seniors or graduate students

Timing: MIT Deadline in Late September – Early October

Harry S. Truman Scholarship Program

Website: web.mit.edu/scholarships/details/truman.htm

Purpose: Graduate studies in government, non-profit sector, or public service areas.

Amount: \$30,000

Time Commitment: During graduate studies

Eligibility: Juniors

Timing: MIT Deadline in Mid-November

John S. Hennessy Fellowship

Website: web.mit.edu/gso/financialaid/intfellowships.html#hennessy

Purpose: To support environmental studies.

Amount: Tuition, student health insurance and a stipend of \$2,220 per month

Time Commitment: Fall semester

Eligibility: Any graduate student pursuing environmental studies

Timing: March

Kelly/Douglas Traveling Fellowship

Website: web.mit.edu/shass/inside/kelly_traveling.shtml

Purpose: To enable MIT undergraduates who are committed to further work in the humanities, arts, or social sciences to travel in order to pursue an independent project in an HASS field, or to collaborate in a humanitarian project.

Amount: Up to \$1,000

Time Commitment: Summer or IAP

Eligibility: Sophomores, Juniors and Seniors

Timing: November for IAP; March for Summer

Legatum Center Fellowship

Website: Legatum.mit.edu/fellowship

Purpose: The Legatum Center administers a competitive fellowship program for incoming and current MIT graduate students, across all academic disciplines, who demonstrate the potential to create sustainable, for-profit enterprises in low-income countries. Southern Africa.

Amount: Varies

Time Commitment: September - June

Eligibility: Enrolled in or accepted to an MIT graduate degree program

Timing: Deadline for applications in January

Legatum Center Seed Grant Program

Website: Legatum.mit.edu/grant

Purpose: The Legatum Center administers a competitive seed grant program for teams of MIT students who are working on innovative, sustainable projects in low-income countries during the IAP session and summer period.

Amount: Varies

Time Commitment: IAP or summer

Eligibility: Undergraduate or graduate students at MIT

Timing: IAP and Summer break; check website for details

Morris K. Udall Undergraduate Scholarship

Website: web.mit.edu/scholarships/details/udall.htm

Purpose: Students studying environmental or related fields, or health care or tribal public policy (Native American and Alaskan natives only).

Amount: Up to \$5000

Time Commitment: During undergraduate studies

Eligibility: Sophomores and juniors

Timing: MIT Deadline in February

Muhammad Yunus Innovation Challenge to Alleviate Poverty

Website: web.mit.edu/idi

Purpose: Each year the Muhammad Yunus Innovation Challenge to Alleviate Poverty highlights a pressing need of the world's poor and enables MIT students to develop solutions through a variety of mechanisms, including Public Service fellowship grants, the IDEAS competition and D-Lab. The Challenge, named in honor of 2006 Nobel Prize winner Dr. Muhammad Yunus, was initiated and is supported by MIT alumnus Mr. Mohammed Abdul Latif Jameel, benefactor of the Abdul Latif Jameel Poverty Action Lab at MIT (J-PAL). This year's Yunus Challenge calls for locally and environmentally sustainable innovations to promote adoption of agricultural technologies so smallholder farmers can retain more value from their crops.

Amount: DEAS awards range from \$10,000 to \$5,000. Fellowships: vary. D-Lab: class projects

Time Commitment: varies

Eligibility: See IDEAS, PSC Fellowships and D-Lab Sections of the guide

Timing: Varies

Program on Human Rights and Justice

Website: mit.edu/phrj/internships.html

Purpose: To provide MIT students the opportunity to study human rights issues firsthand at the field level or through applied research.

Amount: Up to \$5000; Living and travel expenses

Time Commitment: 8-12 weeks in summer

Eligibility: All students

Timing: April

Public Service Center Grants

Website: web.mit.edu/mitpsc/grants/

Purpose: Community service work covering a wide range of projects; Conference attendance grants for conferences tied directly to public service leadership activities; and Summer housing grants for residence-hall students working on public service projects in the summer.

Amount: Varies; Materials and transportation expenses

Time Commitment: During student studies

Eligibility: MIT students who will be enrolled for at least one semester following the grant project

Timing: Applications accepted monthly

Public Service Center Fellowships and Internships

Website: web.mit.edu/mitpsc/resources/internshipsandfellowships/index.html

Purpose: Capacity building community service projects in any field around the world. Fellows and Interns work with community-focused organizations such as non-profits, government offices, international aid agencies, schools, grassroots groups, student-initiated service enterprises and even for-profit businesses if the business is using a social-entrepreneurship model to address the needs of an under-served community. Students in these programs receive a stipend for their work, which typically goes towards living and travel expenses.

Amount: Stipend depends on project budget

Time Commitment: IAP, Spring, Summer or Fall

Eligibility: MIT students (undergrad and grad) who will be enrolled for at least one semester following the funded project, plus limited funding for graduating students for up to 3 months after graduation

Timing for application deadlines: IAP: October; Spring: Rolling; Summer: March; Fall: Rolling

US Ashoka Fellowship

Website: www.ashoka.org/us-canada/main/home.cfm

Purpose: For leading social entrepreneurs who are recognized to have innovative solutions and the potential to change patterns across society.

Amount: Varies

Time Commitment: None

Eligibility: Everyone

Timing: Rolling

International Development Stories from Tech Talk



in the world by *David Chandler*

In The World: Breath of life

Low-cost portable ventilator could be a lifesaver for people in remote locations and for hospitals in the developing world. A team of students from MIT has devised a better way to keep patients breathing in places that lack standard mechanical ventilators, or during times of emergency such as pandemics or natural disasters, when normal hospital resources may be overextended.

web.mit.edu/newsoffice/2010/itw-ventilator-0715.html

In The World: Easy on the eyes

Simple, low-cost device that affixes to a cell phone could provide quick eye tests throughout the developing world. A team at MIT's Media Lab has come up with a much quicker, simpler and cheaper way to get this information — a method that is especially suitable for remote, developing-world locations that lack these expensive systems.

web.mit.edu/newsoffice/2010/itw-eyes.html

Time names Amy Smith among 'world's most influential people'

Amy Smith '84, SM '95, ENG '95, founder of MIT's innovative D-Lab and a senior lecturer in the Department of Mechanical Engineering, has been named by Time magazine as one of the top 100 "World's Most Influential People" for 2010.

web.mit.edu/newsoffice/2010/time-smith.html

Esther Duflo wins Clark medal

MIT economist Esther Duflo PhD '99, whose influential research has prompted new ways of fighting poverty around the globe, was named winner today of the John Bates Clark medal. Duflo is the second woman to receive the award, which ranks below only the Nobel Prize in prestige within the economics profession and is considered a reliable indicator of future Nobel consideration (about 40 percent of past recipients have won a Nobel).

web.mit.edu/newsoffice/2010/duflo-clark-0423.html

Two MIT classes focus on helping Haiti

In response to the earthquake in Haiti, MIT Media Lab students have developed a service that helps communities rebuild after a crisis by indexing the skills of local residents so that NGOs like the American Red Cross and Partners In Health can quickly find and employ them.

web.mit.edu/newsoffice/2010/classes-haiti-0305.html

New wheelchair gets its first real-world test

Amos Winter recently returned from East Africa, where he spent three weeks in January surveying six disabled people who had tested prototypes of the LFC. Using feedback from the four-month trial, as well as a \$50,000 grant he recently received from the Inter-American Development Bank (IADB), Winter is currently tweaking the LFC design in anticipation of advancing it to large-scale production, which would provide local manufacturers with the tools to produce 500 to 1,000 units per month.

web.mit.edu/newsoffice/2010/amos-wheelchair-0218.html

Building a brighter future in Siem Reap, Cambodia

With the vision of creating a world-class learning environment in Cambodia, the Jay Pritzker Academy (JPA) — in the northern city of Siem Reap — turned to the School of Architecture + Planning at MIT for advice. Founded by philanthropists Daniel and Karen Pritzker, JPA aims to educate talented and motivated students from low-income families while offering support to schools in the surrounding area.

web.mit.edu/newsoffice/2010/brighter-future-cambodia.html

New student magazine highlights international development opportunities

The second issue of Komaza, a student-run magazine focused on international development work, will be available on newsstands around campus beginning today, Dec. 8. The professionally designed magazine is unique in its presentation of student-written articles about students who are involved in development projects in locations such as Lesotho, Tibet and Brazil.

web.mit.edu/newsoffice/2009/komaza-magazine.html

In the World: A better way to beat around the bush

International teams in Ghana tackle local needs of village farmers for better methods and devices to harvest their crops. Nearly 70 participants worked on a dozen projects in this year's International Design and Development Summit (IDDS), a month-long collaboration that brings together people from around the globe to build technologies for communities in the developing world. By the conclusion of this year's summit, which was held in Kumasi, Ghana's second-largest city, the team of five who worked on the threshing project had developed several different prototypes.

web.mit.edu/newsoffice/2009/idds-092509.html

Student project innovates solar cooker in Tibet

When two students visited Tibet two years ago, they kept hearing from villagers that a solar cooker that was both lightweight and strong would make a big difference to their lives. So a team of students from MIT and Tibet ended up producing exactly that.

web.mit.edu/newsoffice/2008/itw-tibet-tt0604.html



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For more information, please visit: web.mit.edu/geo/

CAREER SERVICES

12-170 617.253.4733

Career Services helps students connect what they are learning at MIT with the work they want to pursue in the 'real world.' Students who are seeking international development experience and careers can visit Career Services to learn about the most effective ways to search for internships and jobs in this field. Some resources that might be of interest to you in exploring this career area can be found at web.mit.edu/career/www/graduate/fieldinfo.html#international.

PREPROFESSIONAL ADVISING

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- Providing a Prehealth Advisor
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For more information, please visit: web.mit.edu/career/www/preprof/



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Discovery consists of seeing what everybody has
seen and thinking what nobody else has thought.



Johnathan Swift
Writer and Satirist

Partners

