

**Autumn 2009 Newsletter**

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**Energy Efficiency Starts at Home**

**Tom Mercer** and **Andy Martin**, both Joint MBA-MS students, spent the summer working on energy efficiency on the home front. Tom joined San Francisco-based [Sustainable Spaces](#), a venture-backed company that performs residential energy audits and retrofit construction work. Tom learned more about the benefits and challenges of a consumer-facing energy efficiency business, as well as to learn first-hand how homeowners think about their energy consumption and what applications could help them manage it. Andy interned at [EnergyHub](#), a Brooklyn-based home energy monitoring start-up, where he helped develop the company's demand response architecture and worked on its product and marketing strategies.

Back in Palo Alto, **Marilyn Cornelius** (3rd year PhD) conducted ethnographic interviews with home owners to elicit information about current energy use behaviors, viable alternative behaviors that use less energy, and barriers to adopting alternative behaviors in the residential sector. These studies will help inform the design of user interfaces and other systems that provide feedback from smart meters and other sensing devices of the type Tom and Andy worked on.

**On the Global Energy Front**

**Annie Hazlehurst** (Joint MBA-MS) spent the summer working for Mubadala, an investment vehicle of the Abu Dhabi government, on energy initiatives that included oil and gas strategy as well as advancing technology commercialization in areas such as water and waste.

**Kimi Narita** (Joint JD-MS) joined the [Natural Resources Defense Council](#) in San Francisco, where she took an active role in shaping NRDC's new India Initiative, researching areas to improve energy efficiency and co-writing several [blog posts](#). Kimi also led a week-long trip at the Grand Canyon for ten youth from Tucson, Arizona through the [Parks in Focus](#) program.

**Michael Dawson** (Joint MBA-MS) worked at the National Renewable Energy Laboratory in Golden, CO, looking at market opportunities in energy storage and smart grid. He also investigated these opportunities with the venture capital firm, Doll Capital Management.

**The Quest for Clean Water**

**Valentina Zuin** (2nd year PhD) helped organize a Woods Institute sponsored workshop, Uncommon Dialogue: Water, Development & Health, in Dar es Salaam, Tanzania. **Amy Pickering** (3rd year PhD) and several other E-IPER students and faculty also attended. (Valentina pictured with the Mozambican Water Regulator, Manuel Alvarinho)

**Joe Giovanetti** (Joint JD-MS) spent half his summer at Sanford, Wittels & Heisler, a Washington D.C.-based public interest law firm, where he worked on a [class action lawsuit](#) involving lead-contaminated drinking water. He also worked for the legal department of the San Francisco Giants.

## Towards Greener Products

**Anna Veit** (Joint MBA-MS) joined the Corporate Partnership team at the Environmental Defense Fund in their Bentonville, Arkansas office, working with Wal-Mart on their Sustainability Initiative. Anna worked with Wal-Mart's Private Label team, identifying environmental hot-spots in their supply chain, making recommendations for improvement, and learning about Wal-Mart's Sustainability Index - a methodology for providing transparency in the supply chain and eco-ratings for products.

## Elsewhere in the World



**Rachelle Gould** (3rd year PhD) partnered with [The Nature Conservancy](#) to set up an ecological restoration project on Hawaii's Big Island, planting 720 experimental seedlings in a field experiment that aims to provide landowners in the area with options for restoration that are practical, economical, and effective. (Rachelle and research team pictured at left)

**Megan Herzog** (Joint JD-MS) spent part of her summer as a legal intern with the Enforcement Division of the [California Coastal Commission](#) in San Francisco, focusing on protecting California's coastline from environmental damage and ensuring public access to beaches. Megan spent the second half of the summer as a legal fellow at a water and energy rights NGO in Kathmandu, Nepal, reviewing hydroelectricity development contracts, water resource management policies and international water use treaties, and making recommendations on how Nepal could use law to better protect its environment and human rights.

**Lauren Oakes** (1st year PhD) toured Indonesia as a Citizen Ambassador for the U.S. Department of State, presenting a documentary film [Red Gold](#) with the inaugural American Documentary Showcase as part of a program for World Environment Day. Lauren is also completing a documentary, *Alaska Gold*, looking at the effects of mining on Alaska's Bristol Bay fisheries, which will be aired on PBS' Frontline, and worked with reporters from NPR's [Living on Earth](#) to produce a radio documentary looking at drivers of deforestation in Brazil, Indonesia, and the Congo, to be aired in advance of the Copenhagen IPCC conference.

**Kristen Honey** (5th year PhD) completed her Lorry I. Lokey Stanford fellowship with [Environmental Defense Fund](#) (EDF) in San Francisco, working with Rod Fujita, Oceans Program Senior Scientist. Kristen contributed to a variety of EDF projects, from marine spatial planning to innovative eco-markets, and co-authored several articles undergoing peer review or in press, including "Cooperative Strategies in Fisheries Management: Integrating Across Scales," to be published soon in the *Bulletin of Marine Science*. Kristen is now based at Stanford's Hopkins Marine Station.

## Communicating Results



**Kirsten Oleson** (PhD 07) and **Mike Mastrandrea** (PhD 04) published an article entitled, [The Baker's Dozen](#): Key Nations Can and Should Act Together to Prevent Further Dangerous Climate Change, in *Climate Change and Intergenerational Justice*.

**Xuehua Zhang** (PhD 08) published part of her dissertation in *The China Quarterly* in an article titled, Agency Empowerment Through the Administrative Litigation Law: Court Enforcement of Pollution Levies in Hubei Province, China (with co-authors Leonard Ortolano and Zhongmei Lv).

**Hilary Schaffer Boudet** (6th year PhD) presented a talk entitled, A Tale of Two Sitings: Contentious Politics in Liquefied Natural Gas Facility Siting in California, at several national conferences including the Association of Collegiate Schools of Planning annual conference, the American Sociological Association Annual Meeting, and the Association for Environmental Studies and Sciences Annual Meeting. At the American Sociological Association annual meeting in San Francisco, she also presented a talk on Site Fights: Explaining Opposition to Pipeline Projects in the Developing World.

**Kate Brauman** (6th year PhD) presented her work on land cover and water resources on Hawai'i's Big Island at several conferences including RiskBase, a workshop on river basin management, held in Venice, Italy; the Hawai'i Conservation Conference; and the Ecological Society of America's annual meeting in

Albuquerque.

**Michael Hooper** (5th year PhD) presented his research on social movement participation, focused on slum dwellers in Dar es Salaam, Tanzania, at several recent conferences, including the annual meetings of the British Sociological Association, the Royal Geographical Society, the Association of European Schools of Planning, and the annual Manchester Social Movements Conference.

**Carolyn Snyder** (5th year PhD) won a student grant to participate in the American Meteorological Society (AMS) [Summer Policy Colloquium](#) in Washington, D.C., an intensive 10-day workshop on policy and government for scientists.

**Amy Pickering** (3rd year PhD) presented a poster at the IWA Health Related Water Microbiology Conference in Naxos, Greece, titled Clean Source Water and Dirty Stored Water in Peri-urban Dar es Salaam Indicates Improved Water Supply is not Enough for Reducing Waterborne Disease, with co-authors A. B. Boehm, J. Davis, D. P. Keymer, S. P. Walters, H. Horak, R. Strickfaden, J. Liu, and D. Mushi.

**Noa Lincoln** (2nd year PhD) presented his research on sustainable agriculture in Hawai'i at the Hawai'i Ecosystems Conference and was an invited participant at the inaugural Young Professionals Network of Hawai'i. He also recently published a book, with Amy Greenwell, now available at major bookstores: Garden Ethnobotanical Guide to Native Hawaiian Plants (Bishop Museum Press; Honolulu HI, 2009).

**Jason Kaminsky** (Joint MBA-MS, 09) published research he did while visiting Hong Kong University of Science and Technology as an undergraduate in an article titled In-Cabin Commuter Exposure to Ultrafine Particles on Commuter Roads in and around Hong Kong's Tseung Kwan O Tunnel, in Aerosol and Air Quality Research: [Link to article](#).

**Elizabeth Richards** (PhD 08) presented a paper, Can Negotiated Agreements Facilitate Market Transfers of Water? Lessons from New Mexico, at the Water Markets: Why Not More? workshop, hosted by the Property and Environment Research Center (PERC) in Bozeman, Montana.

### Alumni Sightings



**Kirsten Oleson** (PhD 07) spent several months in Andavadoaka, Madagascar studying the economics of a community-run marine protected area, specifically looking at the costs and benefits of seasonal closures of octopus harvest areas, in collaboration with the non-governmental organization, [Blue Ventures](#). (local fishers pictured at left)

**Holmes Hummel** (PhD 06) anchored the U.S. Department of Energy's participation in the UNFCCC climate negotiations, focusing on international cooperation for large-scale deployment of clean energy technologies. An avalanche of technology roadmaps and scenarios published in 2009 in support of these negotiations has provided a rich field of results for the application of Holmes' E-IPER research on techniques to understand key policy and technology implications of stabilization scenarios. Holmes is Senior Policy Advisor to the Department of Energy's [Office of Policy & International Affairs](#).

**Elizabeth Richards** (PhD 08) was elected to the Board of Directors and Executive Committee of the Middle Rio Grande Water Assembly, a non-profit organization focused on developing, implementing, and updating the Middle Rio Grande Regional Water Plan. Beth continues her work at Sandia National Laboratories on both water sustainability and solar energy projects.

**Xuehua Zhang** (PhD 08) completed her postdoc at Stanford and began consulting with the US EPA to investigate the implementation of national requirements on Continuous Emission Monitoring Systems (CEMS) certification, calibration, and testing, which was introduced in 2007. The project involves in-depth interviews with environmental monitoring officials and managers of power plants in Beijing and Shanghai.

**Jason Kaminsky** (Joint MBA-MS 09) started a job in Novato (Marin County) as Strategic Assistant to the CEO at SPG Solar, the third largest integrator in California that is in the business of developing, designing, financing, constructing, and maintaining large solar projects.

## Professional Recognitions



**Carolyn Snyder** (5th year PhD) holds a 2009-2010 Lieberman Fellowship, awarded to a student who, "in addition to being an outstanding young scholar, intends to pursue a career in university teaching and research, has distinguished him or herself as a University citizen, and has demonstrated potential for a leadership role in the academic community."

**Mehana Blaiçh Vaughan** (4th year PhD) received the 2009-2010 Switzer Fellowship for her work on community-based resource governance on the island of Kaua'i, Hawai'i ([Press Release](#))

**Amy Pickering** (3rd year PhD) received a Stanford Interdisciplinary Graduate Fellowship in the International Studies section for her proposal titled Hand Hygiene, Health, and Behavior Change in Dar es Salaam, Tanzania.

**Lauren Oakes** (1st year PhD) received a three-year National Science Foundation Graduate Research Fellowship for her proposed research on agricultural expansion in the Amazon.

**Adam Millard-Ball** (4th year PhD) received a Centennial Teaching Assistant Award in the School of Earth Sciences for the course, Sustainable Mobility - Energy Efficiency in Transportation, with Lee Schipper, (Precourt Institute for Energy Efficiency).

**Andy Martin** (Joint MBA-MS) was named a Siebel Scholar in recognition of his "academic achievement, leadership, and citizenship within the Business School community." ([Press Release](#))

## Transitions



**Jason Funk** and **Justin Warren** submitted their doctoral dissertations; **Geoff Shester** and **Kimberly Nicholas Cahill** celebrated their doctoral degrees in the School of Earth Science's Commencement. (pictured with advisors **Chris Field**, Carnegie Institution, and **Buzz Thompson**, Stanford Law School and Woods Institute for the Environment.)

Four new PhD students joined E-IPER: **Amanda Cravens**, **Robert Heilmayr**, **Lauren Oakes**, and **Michael Ovadia**. **Austin Becker** joined the 2nd year PhD cohort, transferring to E-IPER from Earth, Energy, and Environmental Science. Twenty-three new Joint Masters students joined E-IPER: From the School of Medicine: **Lizzy Goldsmith**; From the Stanford Law School: **Joe Giovanetti**, **Sarah Greer**, **Megan Herzog**, **Kimi Narita**, and **Chessie Thatcher**; From the Graduate School of Business: **Edward Castaño**, **Michael Dawson**, **Juan de Antonio Rubio**, **Michael Dorsey**, **Sandrine Dury**, **Sam Fort**, **Eli Gregory**, **Felice Gunawan**, **Megan Guy**, **Yohei Iwasaki**, **Sumi Kim**, **Hollis Kline**, **John Krzywicki**, **Brenden Millstein**, **Katie Shattuck**, **Anna Veit**, and **Graeme Waitzkin**.

**Jennifer (Jenna) Davis**, Civil and Environmental Engineering, joined the [Executive Committee](#), replacing **Jeff Koseff**, also in CEE and co-Director of the Woods Institute for the Environment. New members of the PhD Admissions Committee include **Nicole Ardoin** (School of Education and Woods) and **Lisa Curran** (Anthropology and Woods).

E-IPER is pleased to welcome new staff member **Kathleen (Katie) Phillips**, Joint MS Program Manager.

The E-IPER Newsletter is distributed quarterly and can also be found [online](#).

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