

**From:** Gil Masters (gmasters@stanford.edu)  
**To:** energyfolks@lists.stanford.edu  
**Date:** Monday, November 26, 2007 7:18:19 PM  
**Subject:** Goulder, Social, SunPower, MAPs, CaptainTrade, car talk, etc.

## **STANFORD EVENTS**

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3. SunPower's Swanson to speak on "Developments in Silicon Solar Cells" Nov 29
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**1. Woods Energy Seminar: Weds Nov 28, 4:15 Prof. Goulder on CA climate policy efforts**

Please join us to hear Larry Goulder speak, and please join the Stanford energy community at the Faculty Club afterwards for an Energy Social, sponsored by Mineral Acquisition Partners, Inc. (MAP).

November 28, Building 420 Room 40

Lawrence Goulder, Shuzo Nishihara Professor in Environmental & Resource Economics, Stanford University  
California's Climate Policy Efforts: Challenges Ahead

Followed by M AP Energy Social, Faculty Club afterwards (5:30-7:30 pm)

And, on December 5, we will hear about and tour the Y2E2 building.

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**2. Energy Social, Nov. 28th, 5:30-7:30 Stanford Faculty Club**

Students, faculty and local community members who share an interest in energy issues are invited for refreshments and conversation at the Energy Socials.

Where: Stanford Faculty Club

When: Wednesday, November 28th, 5:30pm-7:30pm

RSVP to [judith@maproyalty.com](mailto:judith@maproyalty.com).

Sponsored by MAP ([www.maproyalty.com](http://www.maproyalty.com))

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**3. SunPower's Swanson to speak on "Developments in Silicon Solar Cells" Nov 29**

Dick Swanson is coming to campus Thursday, November 29 for The Stanford Photonics Research Center Visionary Innovation Seminar series.

\*Developments in Silicon Solar Cells\*

Thursday, November 29, 2007

4:15 pm, Hewlett 201

Stanford University

\_\*Abstract

Silicon solar cells are undergoing rapid development resulting in increasing performance and reduced cost.

This talk discusses the major and efficiency limitations and cost elements of silicon solar cells, and shows how these are being improved. A roadmap to achieving grid electricity cost parity by 2012 through halving the installed cost of photovoltaic systems will be outlined.

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#### **4. MAP Sustainable Energy Fellowship Brown Bag Lunch, Dec 5**

Join past MAP Sustainable Energy Fellows as they discuss their experiences as MAP summer Fellows with a variety of NGOs.

- Barry Fischer (NRDC)
- Arianna Lambie (Union of Concerned Scientists)
- Luke Morton (United States Green Building Council)

Wednesday, Dec. 5, 12:00-1:30PM

Hartley Conference Room, Earth Sciences Building

Come for insights, discussion, pizza and drinks as you consider applying for the 2008 Fellowships. The Fellows will discuss their life-changing experiences with some exceptional NGOs.

Sponsored by School of Earth Sciences - Earth Systems Program and MAP

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#### **5. MAP Sustainable Energy Fellowships 2008, Applications due Jan 26**

Applications are now being accepted for Mineral Acquisition Partners (MAP) Sustainable Energy Fellowships. Fourteen Sustainable Energy Fellowships are available with:

- Border Green Energy Team
- Natural Resources Defense Council
- Rocky Mountain institute
- Union of Concerned Scientists
- United Nations Foundation
- United States Green Building Council
- Worldwatch Institute

Fellowships are three months, six months, and one year in duration. All Stanford students and those who have graduated within the last three years are eligible and encouraged to apply.

Fellowship information can be found at:

<http://www.maproyalty.com>

Applications must be postmarked by January 26, 2008.

For more information, contact Peggy Propp at [peggy@maproyalty.com](mailto:peggy@maproyalty.com)

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## **6. Stanford's Grid Alternatives: Solar Cookoff and PV Installation Training, Weds Nov 28**

Want to learn how to cook with the sun? Want to showcase your solar cooking skills?  
Come check out Stanford GRID Alternatives'

"Solar Oven Cookoff"

When: Wednesday, November 28th, 11:30am - 1:30pm

Where: White Plaza

and enjoy some hot cider and brownies baked by the sun!

Also, Want to learn how to install solar panels? Want to volunteer by installing solar systems in low-income communities? Going to this training will make you qualified to volunteer in GRID Alternatives solar installations.

Wednesday, November 28, 7:30 -9:30 pm, Old Union Room 216, Stanford.

Questions: email Lewis Hom at [lrhom@stanford.edu](mailto:lrhom@stanford.edu)

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## **7. Proposals wanted for Woods Institute YES Interdisciplinary Panel**

Dear Stanford graduate students and post-docs:

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>>Are you engaged in environmental research? If so, consider participating in  
>>one of the interdisciplinary panel discussions at the YES conference. The  
>>panels will explore a wide range of innovative research approaches to  
>>pressing environmental issues, including:

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>>1) Climate change

>>2) Water

>>3) Food resources

>>4) Energy

>>5) Environmental justice

>>6) Community-based governance

>>7) Sustainable built environment\*

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>>We welcome participation from graduate students and post-docs in all  
>>disciplines, including (but not limited to) science, economics, engineering,  
>>policy, law, education, and history.

>>

>>DETAILS

>>Please submit an abstract (<http://woods.stanford.edu/students/yes.html>,  
>>click on "Speaker Registration and Abstract Submission") describing your  
>>research by December 20, 2007. Research does not have to be complete to  
>>participate. Be sure to include a description of your research question(s),  
>>approach and methodology. Abstracts should be no more than 250 words. You  
>>will be notified in late January whether your abstract is accepted.

>>

>>\*Do you have an idea for an interdisciplinary topic not listed above? We  
>>welcome you to submit proposals for additional topics, including potential  
>>panel members (<300 words).

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>>Please contact Jessica Blois ([jblois@stanford.edu](mailto:jblois@stanford.edu)) or Heather Lukacs  
>>([luka@stanford.edu](mailto:luka@stanford.edu)) for additional information.

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**8. Holmes' Introduction to Cap-and-Trade Carbon Policy**

Using Musical Chairs: An Illustration of Managed Scarcity

One of our recent Ph.D.s, Holmes Hummel, is currently working on both federal and international climate negotiations through a Congressional Science Fellowship. After fielding a zillion questions on the Big Issues in federal cap-and-trade climate policy design (and its implications for energy technology development), she decided it was easier just to make a pair of demos using a familiar point of reference: Musical Chairs!

These are really, really good!

<http://www.thunks.net/Cap-and-Trade.htm>

Designed for distribution, feel free to share, feedback welcome! [[hummel@stanfordalumni.org](mailto:hummel@stanfordalumni.org)]

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**9. And... "Making Carbon Markets Work" Cullenward and Victor, Scientific American, December**

A nice article by Stanford's own Danny Cullenward and David Victor on "limiting climate change without damaging the world's economy depends on stronger and smarter market signals to regulate carbon dioxide."

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**10. Nuclear News: "Nonsense" and Ban-Lifting legislation dropped**

"Pro-nuclear groups herald the coming flood of applications as proof that nuclear energy makes economic sense. Nonsense. The only reason investors are interested: government handouts. Absent

those subsidies, investor interest would be zero," write Jerry Taylor and Peter VanDoren, scholars at the conservative Cato Institute, in Forbes.

meanwhile...

Nov 21 - The Fresno Bee, Calif. A Republican state lawmaker has abandoned his pursuit of a ballot initiative that would have lifted the state's decades-old ban on nuclear power plants.

The initiative would have cleared the way for a proposed \$4 billion, 1600 MW nuclear power plant in Fresno, with a target opening date of 2017.

Assembly Member Chuck DeVore of Irvine withdrew the proposal this week, but vowed to try again in coming years. A state law passed in 1976 prohibits the construction of plants until the federal government finds a way to dispose of high-level nuclear waste. A proposed repository at Yucca Mountain in Nevada has been plagued by delays and political opposition.

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## **11. Duke Energy wants more time to figure out how to deal with CO2**

Duke Energy CEO says coal-reliant industries should get time to figure out solutions that avoid rate hikes for customers

Nov 16 - The Charlotte Observer, N.C. Duke Energy is fighting proposed global-warming legislation it says would cost Carolinas customers millions of dollars in higher rates.

[http://www.energycentral.com/centers/news/daily/printer\\_friendly.cfm?aid=9247910](http://www.energycentral.com/centers/news/daily/printer_friendly.cfm?aid=9247910)

The bill, sponsored by Sens. Joe Lieberman of Connecticut, an independent, and John Warner of Virginia, a Republican, would place a national cap on carbon dioxide emissions from coal-fired plants, believed by many to be a major cause of global warming.

But it doesn't give enough exemptions to Duke and other utilities that rely heavily on coal, the company says. That's a deal breaker for Duke, which says the measure could send average power rates up 32 percent by 2020. Chief executive Jim Rogers said Thursday the bill amounted to an unfair tax on producing power from coal.

There currently isn't a reliable way to reduce carbon dioxide emissions from coal-fired plants, short of shutting them down, Rogers said. So the industry needs exemptions for several years while it figures out the technology, and it shouldn't be taxed in the process, he said.

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## **12. Nice quote on China's efforts to cut energy consumption:**

In May, China's premier, Wen Jiabao, complained bitterly. "Understanding is not adequate, responsibilities are unclear, measures are not complementary, policies are incomplete, investment doesn't arrive, and coordination is ineffective," he said of efforts to cut energy consumption. "If these problems are not turned around, it will be difficult to achieve any obvious progress."

<http://www.nytimes.com/2007/11/24/world/asia/24evaders.html?hp>

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### **13. Car talk: VW Chief...fuel cell cars are a "nonstarter"**

13 Nov 2007 From CalCars' very useful, informative list..

And today we have VW's chief of research directly coming out and saying the company's concluded hydrogen fuel-cell cars are a non-starter. The context includes news from two Canadian fuel cell companies: Ballard selling its automotive fuel cell business back to Ford and Chrysler and Hydrogenics shutting down much of its fuel cell operations. And at a time when the Air Resources Board is considering moving toward a more equal playing field between hydrogen and electrification (see <http://www.calcars.org/calcars-news/874.html>),

here's a carmaker saying the only reason its working on fuel cell cars is because of what it implies are legacy regulatory requirements.

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### **14. Chevy Tahoe "Green Car of the Year" Award: LA Auto Show**

drum roll.... the 6200 lb, 21 mpg, Chevrolet Tahoe hybrid wins!

For the first time, a hybrid SUV received the Green Car of the Year Award from Green Car Journal.

The Chevy Tahoe's gas-electric hybrid system achieves 21 miles per gallon in the city, which is as much as a 50 percent improvement over its conventional standard V-8 counterpart.

"This is a milestone in many respects," Ron Cogan, Green Car Journal editor and publisher, said in a statement. "People don't think 'green' when SUVs are concerned, and for generally good reason since SUVs often get poor fuel economy compared to most other vehicles.

If they had a "somewhat less awful" award, that might be better.

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### **15. Felix's Update on The Chevrolet Volt**

19 November 2007 Green Car Congress

<http://www.greencarcongress.com/2007/11/the-chevrolet-v.html>

By Felix Kramer, Founder, The California Cars Initiative; and Jack Rosebro, Green Car Congress

Announced in January, the Volt is the first of a planned series of vehicles to be built and sold worldwide around a common core of components called "E-Flex." The components can be configured to create an electric vehicle or a plug-in series hybrid fueled by gasoline, diesels, biofuels, or hydrogen.

In the case of the Volt, the configuration will be a gasoline or E85-fueled plug-in hybrid with an all-electric range (AER) of 40 miles and an "aggressive" target production date, according to Bob Lutz, of November 2010. General Motors is promoting the use of the EREV (Extended Range Electric Vehicle) acronym to distinguish E-Flex variants from competing plug-in hybrids.

As mass production nears, costs for many components that have been designed for the Volt are expected to fall sharply, by as much as 50%. The company hopes to sell the first-generation Volt for around US\$30,000, putting it within the high range of compact cars.

The design will include the "building blocks" for future versions to incorporate an electric meter in vehicle-to-grid (V2G) applications.

The company settled on a 40-mile all-electric range because it would cover daily driving of 78% of Americans, according to US Department of Transportation figures. Had GM picked 30 miles, it would have covered 68%; 20 miles would have covered 51%. When asked why GM didn't start with 30, Weber smiled and responded "it's easier to go from 40 to 30 than from 30 to 40."

*Not all is rosy at GM: the striking styling of the Volt concept car has officially been nixed due to a poor coefficient of drag. At a briefing for bloggers, GM head Bob Lutz quipped to the media that "we probably would've gotten better drag coefficient if we put it in the wind tunnel backwards."*

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## **16. Concentrated Solar Power (CSP) Summit, SF Jan 28**

You will hear from Acciona, Sener, BrightSource Energy, Ausra, Solel, Schott, Worley Parsons, SMUD and many more, everything that you need to know on How to build - and run - a profitable Concentrated Solar Power plant; from cost reduction, heat storage, technology update, regulatory framework, state by state breakdown, utilities renewable portfolio, financial risk management, land and water securitisation, efficient construction and red tape.

To download the brochure of the summit [www.csptoday.com/us/brochure.shtml](http://www.csptoday.com/us/brochure.shtml)

To see the agenda [www.csptoday.com/us/programme.shtml](http://www.csptoday.com/us/programme.shtml)

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**17. Schwarzenegger Signs Lighting and Solar Water Heater bills..**

Measures signed by the CA governor last month include:

AB 1109 (Jared Huffman, D-San Rafael), the California Lighting Efficiency and Toxics Reduction Act, enacts the nation's first efficiency program for light bulbs. The measure prohibits the manufacturing for sale or the sale of certain general-purpose lights that contain hazardous substances. In addition, the bill requires the California Energy Commission to adopt energy efficiency standards for all general-purpose lights. The measure requires the state to set rules making indoor light bulbs 50% more energy efficient by 2018.

AB 1470 (Huffman) is billed as the nation's first incentive for solar water heaters. The bill creates the Solar Water Heating and Efficiency Act of 2007, which places a surcharge on natural gas bills to raise \$250 million to fund incentives to attain the goal of installing 200,000 solar water heating systems in the state by 2017.

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**18. Golden Gate ASHRAE travel grants for N.Y. annual meeting**

Golden Gate ASHRAE awards travel grants to a few full-time students to attend the annual winter meeting each year. This year, it's in NY (<http://www.ashrae.org/newyork> ) and we would like for your students to apply. We will reimburse students for their expenses up to \$1,000. Please forward this message to interested students. You can point them to <http://www.ggashrae.org/awards/> for more information about the awards, application process, and deadline (less than a month away). The winners of the travel grant will be invited to our Thursday, April 3 Chapter meeting at the PEC to share their experience.

Becky Courter is our membership chair and is available for questions regarding membership. Information about membership is available at FAQ #11 at <http://www.ggashrae.org/faq.htm> . Students must be Society and Chapter members to be considered. The student membership fee to join at both levels is \$32.

Robert A. Marcial  
PG&E Pacific Energy Center  
PEC Director  
415.972.5177  
rxmu@pge.com  
www.pge.com/pec

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## 19. USGBC Excellence in Green Building Curriculum Incentive Grants

The U.S. Green Building Council seeks to support new curricula that demonstrate significant creativity and advance educational experiences that focus on reconciling humanity with nature and promoting environmental health, social justice, and economic prosperity. USGBC will award up to two grants (\$20,000 each) in each of three grant categories: (1) pre-K to 12, (2) community and technical colleges (two year institutions), and (3) colleges and universities. Proposals may include courses, activities, projects, and programs. Proposals are due on March 17, 2008.

<http://www.usgbc.org/ShowFile.aspx?DocumentID=3404>

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## 20. A dot-com feel to solar growth

INNOVATION, EXCITEMENT, LOTS OF HIRING IN VALLEY

By Matt Nauman, S.J. Mercury News, 11/20/2007

Silicon Valley solar companies are on a hunt for talent. Akeena Solar of Los Gatos is looking for installers. GreenVolts of San Francisco wants reliability test engineers. Innovalight of Santa Clara wants an ink formula chemist. Nanosolar of San Jose wants technicians and engineers.

And Solyndra of Fremont, SolarCity of San Francisco and SunPower of San Jose, well, they want everybody. Those companies had 31, 50 and 69 job openings, respectively, on Web sites earlier this month.

"We're growing a team so fast," said Nancy Hartsoch, vice president of marketing at SolFocus of Mountain View. Hers is one of dozens of Silicon Valley solar companies hiring hundreds of workers right now, from semiconductor expatriates who worked with silicon to construction workers who will install solar panels on roofs.

Solar Tech, a group of local solar companies trying to create a Solar Center of Excellence in Silicon Valley to serve training and product-testing needs, says the number of people employed locally in solar will grow 10 times over the next 10 years. That's from 1,000 to 2,000 now, to 10,000 to 20,000.

SolFocus' staff, now 55, will grow to 70 by the end of the year, and to 130 to 150 by the middle of 2008, she said.

Bob Legendre, SolFocus' vice president of operations, previously worked in the telecom and disk-drive industries. He wasn't looking to move into solar, but he kept getting four or five calls from head-hunters a week.

When he talked to SolFocus, he became convinced of the industry's potential. "This is an upcoming, emerging technology. . . . It's going to change the world."

Peter Beadle launched greenjobs.com in 2005. Based in Fairfield, the site has a few hundred jobs listings from renewable-energy businesses, most of them solar companies.

A study financed by the American Solar Energy Society released this month forecasts almost unprecedented job growth in solar and other clean-tech industries. From 8 million jobs and \$933 billion in revenues generated by renewable energy and energy-efficiency industries in 2006, the numbers are

predicted to rise to perhaps more than 40 million jobs and \$4.5 trillion by 2030.

Solar represented just 17,600 jobs nationally in 2006, the report says. But the industry group is forecasting almost unimaginable growth to more than 1.3 million solar jobs in 2030, representing a 7,582 percent increase in 24 years.

.... *hmm.... really? g.*

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## **21. School wind turbine generates income from Renewable Energy Credits (RECs)**

Nov 18 - McClatchy-Tribune Regional News - Aaron Gouveia Cape Cod Times, Hyannis, Mass.

When news first broke about a wind turbine on the Massachusetts Maritime Academy campus, Adm. Richard Gurnon received a slew of calls from companies offering to purchase the college's RECs, or renewable energy credits.

Gurnon, who is president of the college, was confused.

"I thought they were talking about wrecked, old cars, and I told them we didn't have any," he said.

The MMA campus joined the ranks of clean energy producers in 2006, when it became home to a 660-kilowatt wind turbine. The project cost \$1.6 million, but has already provided financial benefits for the Buzzards Bay college, including the RECs.

Over the course of the past year, the MMA turbine has generated an estimated 1,100 megawatt-hours of electricity. Since one megawatt-hour equals a single REC, the school also generated 1,100 RECs. In a few months, the college will hire a broker to auction the RECs in what will be MMA's second auction. With the going rate hovering around \$57 per REC, the college could raise more than \$60,000 at auction.

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## **22. The "other" President Bush installs a wind turbine**

Nov 21 - Portland Press Herald Walker's Point is a little greener these days.

Last week, a 33-foot-tall windmill was installed to generate electricity for the Walker's Point oceanfront home of former President George H.W. Bush and his wife, Barbara.

The wind turbine, a Skystream 3.7 model, is capable of generating electricity once wind speed reaches 8 mph, said Bob Greig, president of All Season Home Improvement Co. in Augusta, which installed the windmill.

The structure can produce an estimated 400 kilowatts a month at a wind speed of 12 mph. An average household uses about 600 kilowatts a month, Greig said.

*There's that pet peeve of mine again ....! gm*

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**JOBS JOBS JOBS**

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**23. Director of Utility-Scale Solar Policy**

Utility-scale solar (that is, building big solar plants in the desert, generating wholesale solar power) is an underutilized resource that has the capability of delivering enormous amounts of emission-free electricity at costs below new coal generation. While the technology is gametime, the regulatory infrastructure to make this market work is not. Vote Solar is developing a new initiative to address the key issues necessary to make the market work (utility resource requirements, transmission, land access, and tax issues) and then implement them in CA, NV, AZ, and NM.

We are looking for a top-notch, experienced individual to lead this work. It's an exciting opportunity: success will mean the birth of an industry capable of delivering multi-gigawatts of clean, carbon-free electricity, and new hope in the fight against global warming.

Details, responsibilities, qualifications at [http://www.votesolar.org/linked-docs/vsi\\_dir\\_utilityscale.pdf](http://www.votesolar.org/linked-docs/vsi_dir_utilityscale.pdf)

Resume, letter of interest, and writing sample to [adam@votesolar.org](mailto:adam@votesolar.org).

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**24. Atelier Ten Building Energy Modeler, N.Y.**

Atelier Ten is looking for an experienced and ambitious building energy analyst and energy modeler to join its interdisciplinary environmental design team in our New York City office. Working closely with an integrated environmental design team in our New York office, the candidate will provide energy analysis and building energy simulations for a range of technically ambitious projects. The candidate will also support other building analysis work including daylight and shading design, HVAC design optimization, and LEED program management. The candidate will work on environmentally and architecturally ambitious projects that ranging widely in types and scale. Typical projects include university buildings, high rises, cultural and institutional buildings, and master plans for new development.

The candidate must have an undergraduate or graduate degree in architecture, engineering, and/or building technology. Strong experience in building physics and in energy modeling with eQuest or another DOE2-based analysis tool is required; knowledge of EnergyPlus, TRNSYS, IES, or other similar software is a plus. Proficiency in written and spoken English is required. The candidate should have a minimum of 3 years' experience in sustainability or green building consulting , LEED Accreditation is a plus.

Interested candidates should send their resume and cover letter via email to me at gp@atelierten.com or to Catherine Nueva Espana at cne@atelierten.com .

Gerald Pde  
Associate

Atelier Ten  
Consulting Environmental Designers  
45 East 20th Street, 4th Floor  
New York, NY 10003  
T +1 (212) 254-4500  
F +1 (212) 254-1259  
E gp@atelierten.com  
W www.atelierten.com

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## **25. Entrepreneur in Residence to help green Belkin products**

Here's a listing for all those looking for work:

Belkin (makers of wireless hubs, peripherals & cables, other electronics & accessories) is looking for an Entrepreneur in Residence for 4-6 months to start up a green product line, or help them green their existing products. It's located in Los Angeles, but it's only for 4-6 months. They sound serious about wanting to green their products, though they're new to sustainability. Good opportunity for someone who can pick up & move for a bit.

The person to contact is:

Terri Ducay

[tducay@gmail.com](mailto:tducay@gmail.com)

650-776-6462 Palo Alto

310-574-2871 Los Angeles

(She's a consultant for them doing design-for-developing-countries, not a headhunter.)

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## 26. NREL Energy Analyst Positions

From: "Conrad, Neil" <[Neil\\_Conrad@nrel.gov](mailto:Neil_Conrad@nrel.gov)>

Date: November 12, 2007 1:22:16 PM PST

I thought perhaps you might be aware of folks that'd be interested in Analyst opportunities. If so, please feel free to pass along my contact info.

Below are the links to the postings at [www.nrel.gov/employment](http://www.nrel.gov/employment).

Neil Conrad PHR  
Technical Recruiter  
National Renewable Energy Laboratory

17 / 182

303.384.7569

[neil\\_conrad@nrel.gov](mailto:neil_conrad@nrel.gov)

Senior Analyst I - Geothermal Energy & Analysis: [E6700-1733](#) (10/31/07)

Principal Analyst: [E6400-1708](#) (9/27/07)

Senior Analyst I - Market & Policy: [E6400-1691](#) (9/14/07)\*\*

Senior Analyst II - Market & Policy: [E6400-1692](#) (9/14/07)\*\*

(\*\*Only one position will be filled)

Analyst II - Technology: [E6400-1678](#) (9/04/07)

Analyst II - Market, Policy & Finance: [E6400-1679](#) (9/04/07)

Analyst I: [E6400-1680](#) (9/04/07)

Senior Analyst II - Market & Policy: [E6400-1659](#) (7/17/07)

Senior Project Leader II - EERE Market Transformation - States Focus: [E6400-1706](#) (9/27/07)

Project Leader II - International and Environmental Studies: [E6400-1705](#) (9/27/07)

Senior Project Leader I - International and Environmental Studies: [E6400-1709](#) (9/27/07)

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## 27. NW Energy Coalition, Utility Outreach Project Coordinator, Seattle

One Year Part-time Position

Background:

The NW Energy Coalition, founded in 1981, is a non-profit alliance of more than 100 environmental, civic, and human service organizations, progressive utilities, and businesses throughout the Pacific Northwest region. We promote development of renewable energy and energy conservation, consumer protection, low-income energy assistance, and fish and wildlife restoration on the Columbia and Snake rivers. The Coalition has a staff of 10 and an active board.

Position Description:

The NW Energy Coalition seeks to fill a one year, part-time position coordinating the Coalition's Utility Outreach Project on salmon and energy issues. The Project Coordinator will manage outreach to Northwest utilities in order to initiate a dialogue on issues pertaining to Columbia and Snake river salmon restoration and the removal of four dams on the lower Snake River. This position involves outreach to utilities, coordination of meetings, member relations and developing and communicating information and messages on these issues. The Project Coordinator will work closely with Coalition partner group Save Our Wild Salmon Coalition on this project. The position is very social, involving frequent contact with the project's team members, Coalition member organizations and direct communication with Northwest utilities. The position will require occasional travel throughout the Pacific Northwest region.

Supervisor: Executive Director  
Team Leader: Outreach Director

Location: 811 1st Ave, #305, Seattle, WA 98104  
Work Schedule: 20 hours/week. Monday, Wednesday, Friday. (Flexible Schedule)

Salary: \$17,000 - 22,000 DOE, EOE. Excellent benefits include dental and medical insurance, paid vacation and employer matching 403 (b)(7) retirement plan.

Application:  
Send a resume and cover letter showing how your experience and education relate to this position to [cy@nwenergy.org](mailto:cy@nwenergy.org) or NW Energy Coalition, 811 1st Ave S. #305, Seattle, WA, 98104, Attn: Cy Berryman.

The position will be open until filled, but priority consideration will be given to applications received by December 10. Early applications are encouraged as the position may be filled once a qualified applicant is found.

Anticipated start date: January 2008.  
PLEASE NOTE: This is a temporary position, ending one year from date of hire.

No calls please. For more information about the organization: [www.nwenergy.org](http://www.nwenergy.org).

Cy Berryman  
Outreach Director  
NW Energy Coalition

We've moved!  
811 1st Avenue, #305  
Seattle, Washington 98104  
Phone: (206) 621-0094  
[www.nwenergy.org](http://www.nwenergy.org)

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## **28. Michigan Technical University: 10 new faculty positions in sustainability**

As part of a new multi-year Strategic Faculty Hiring Initiative (SFHI), Michigan Technological University is excited to be hiring 10 new faculty this year under the broad theme of “Sustainability.” Note these positions are in addition to our standard replacement hires. These new positions are intended to enrich opportunities for graduate study, research, and scholarship at Michigan Tech.

The ten open-rank faculty positions that we seek to fill this year include three endowed chairs (Chair in Sustainable Management of the Environment, Chair in Sustainable Manufacturing and Design, and Chair in Sustainable Use of Materials). We are hoping to attract a broad pool of outstanding applicants, who may be rooted in disciplines as diverse as engineering, forestry, humanities, business, and the natural and social sciences. We are specifically interested in recruiting individuals who can serve as bridge-builders between various sustainability groups and promote interdisciplinary research.

If you are interested in joining us in the beautiful Upper Peninsula of Michigan, or if you know of promising candidates for any of these positions, please forward this advertisement to them. Details of what is needed for a complete application are provided at [www.mtu.edu/sfhi](http://www.mtu.edu/sfhi) <<http://www.mtu.edu/sfhi>>. The website also provides background information on sustainability research and education activities at Michigan Tech and the facilities that are available.

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## **29. Tufts University: Three tenure-track faculty positions in sustainable energy**

The School of Engineering at Tufts University is currently searching >for three tenure-track faculty in the general area of sustainable >energy. This search spans the departments of electrical & computer >engineering, mechanical engineering, and chemical & biological >engineering.

>  
>I would greatly appreciate your assistance in identifying strong PhD >and post-doctoral scholars within your organization who may be >interested in pursuing academic careers. Please feel free to forward >this email to anyone that you deem suitable. If you would also post >these positions on the MIT Energy Club's jobs page, I would be very >grateful.

>  
>All three position descriptions can be found at  
>  
><http://ase.tufts.edu/facultypositions/description.htm#ECE>

>

>as well as in specific disciplinary publications.

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### **30. Arizona State University: Six tenure-track sustainability faculty slots**

The new School of Sustainability <http://schoolofsustainability.asu.edu/> has two openings for tenure-track Junior faculty in the area of Sustainability Science. The candidates will have demonstrated experience in one of the following areas: urban environmental issues, dynamics of earth systems, issues surrounding water resources, sustainable use of natural resources, environmental policy, technology and the built environment, and applied research interests at the international level, including in developing countries.

The Global Institute of Sustainability at ASU <http://sustainability.asu.edu/giosmain/index.htm> has openings of four Chair Positions at the Global Institute of Sustainability at Arizona State University. The chaired positions are:

Julie Ann Wrigley Chair in Sustainable Business Practices will advance both theoretical and practical frameworks for businesses of all scales to incorporate sustainability principles in their operations, supply chains, product development, manufacturing, and distribution systems.

Julie Ann Wrigley Chair in Renewable Energy Systems will advance the research and practical applications related to renewable energy technologies and designing innovative, yet practical, solutions to the renewable-energy challenge.

Julie Ann Wrigley Chair in Global Environmental Change will advance both the theoretical and practical frameworks for addressing the social, economic, and environmental consequences of urbanization with special attention to the interactions of cause and impacts of climate change with these processes.

Julie Ann Wrigley Chair in Complex Systems Dynamics will advance both theoretical and practical frameworks for addressing sustainability challenges and integrated solution options through conceptual modeling of human-environment interactions as interdependent complex systems.

I have also attached a link about the new School and the Global Institute of Sustainability by USA Today / Christian Science Monitor:  
[http://www.usatoday.com/tech/news/techinnovations/2006-12-19-sustainability-on-campus\\_x.htm](http://www.usatoday.com/tech/news/techinnovations/2006-12-19-sustainability-on-campus_x.htm)

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-----Inline Attachment Follows-----

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energyfolks mailing list

[energyfolks@lists.stanford.edu](mailto:energyfolks@lists.stanford.edu)

<https://mailman.stanford.edu/mailman/listinfo/energyfolks>