

From: Gil Masters (gmasters@stanford.edu)
To: energyfolks@mailman.stanford.edu
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Subject: [SPAM:#] Crossroads, Nanosolar, Clean Tech, Grids, jobs

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STANFORD AREA RELATED NEWS

1. Energy Crossroads, April 30 and May 1

The Stanford chapter of Energy Crossroads proudly presents the 2008 Spring Conference: "From Vision to Action: Sparking Global Change"
April 30 and May 1 - Stanford University

With keynotes by

Cathy Zoi, CEO of Al Gore's Alliance for Climate Protection, Apr 30, Kresge Aud 7:00 pm
Cathy will discuss the \$300 million "We Can Solve It" media campaign, which just launched in April.

Michael Shellenberger, Author of Break Through: From the Death of Environmentalism to the Politics of Possibility: May 1, Mem Aud , 2:30 - 3:30. Michael will discuss Overcoming the Global Warming Technology Gap, ideas that he and co-author Ted Nordhaus brought to light in their award-winning 2007 book Break Through, and are continuing to investigate at the Breakthrough Institute.

May 1st Events Include:

10:00 - Noon: Intimate Workshops and Roundtable Discussions, Old Union

11:00 - 2:00: Clean Energy Expo, White Plaza

1:00 - 2:15: How Business can Drive Social Currents, Mem Aud

4:00 - 5:15: Sustainable Growth in Developing Countries, Mem Aud

Register Here! www.stanford.energycrossroads.org

(Free for all students with Student ID and Stanford Affiliates, \$30 general public)

2. Energy Seminar: Scaling Solar Power, Nanosolar, April 30

Martin Roscheisen, CEO of Nanosolar, will discuss Scaling Solar Power, April 30, 4:15-5:15, in the usual room, Building 420, Room 40.

Municipal Solar Power Plants

By Martin Roscheisen, CEO

At Nanosolar, we believe very much that meaningful scale for solar will come foremost from utility-scale solar power plants, in particular from municipal solar power plants of 2-10MW in size. These are rows of solar panels mounted onto the ground of free fields at the outskirts of towns and cities, feeding power directly into the municipal electricity grid.

A 2MW municipal solar power plant requires about 10 acres of land to serve a city of 1,000 homes — that's acreage generally easily available at the outskirts of any city of

such size in even the most developed countries. Similar for a 10MW plant for a city with 5,000 homes: This would require five such lots.

Municipal solar power plants are an avenue for delivering a GigaWatt of power in a state through one solar farm each in a few hundred cities — local to where the power is needed — as opposed to constructing a new coal-fired or nuclear plant. They can also be deployed very rapidly. (It takes 10-15 years to get a new coal plant done; a solar plant can be done in 12 months — provided no administrative blocks exist).

3. Energy Social, April 30 between the Energy Seminar and Energy Crossroads

After the Energy Seminar an Energy Social, sponsored by MAP, will be held at Kresge (outside if nice weather, in the Foyer space if not), from 5:30 to 6:45.

4. Berkeley-Stanford CleanTech Conference: Big Solar, May 7, SRI

Wednesday, May 7th, 2008
Noon to 7pm
SRI Auditorium
International Building - Room T,
333 Ravenswood Avenue, Menlo Park, CA

Keynote speakers and moderators include:

- Bob Cart** -Greenvolts - Founder & CEO
- Marc Gottschalk** - Wilson Sonsini Goodrich & Rosati - Managing Partner
- Arno Harris** -Recurrent Energy - Founder & CEO
- Sue Kateley** - CAL SEIA- Executive Director
- Joseph Kastner** - MMA Renewable Ventures -Vice President Solar Implementation & Operations
- Roy Kuga** - PG&E - Vice President Energy Supply Division
- Rob Lamkin** - Cool Earth Solar - CEO
- Hal La Flash** - PG&E - Director of Integrated Resource Planning & Policy
- Kristina Peterson** -SunTech America -Director Structured Finance
- Ed Smeloff** - SunPower Corporation -Senior Manager Utility Project Sales

Student support from UC Berkeley Center for Energy & Environmental Innovation, the Berkeley Energy Resources Collaborative (BERC), and Stanford University Energy Crossroads has made this event possible.

For further information, please contact:
Deep Sahni Conference Co-Founder at deepsahni@gmail.com or (650) 387-1046
Joanna Laznicka Phaze-9 Public Relations at Joanna@phaze-9.com or (408) 448-3113

Or visit: <http://cleantech.berkeley.edu>
Online Map: <http://www.sri.com/contact/campusmap-large.html>

Its costs is \$15 for Berkeley and Stanford students and \$60 for non-students.

More information on: <http://cleantech.berkeley.edu/index.html>

This conference has been made possible by student support from the UC Berkeley Center for Energy & Environmental Innovation, the Berkeley Energy Resources Collaborative (BERC) and Stanford University Energy Crossroads.

<<http://www.sri.com/contact/campusmap-large.html>>

5. California Clean Tech Open: May 1 at SRI

CCTO 2008 Technology and Entrepreneur Matching Event
Thursday, May 1 at SRI International in Menlo Park

RSVP here:
http://cacleantech.org/events.php?page=eventDetail_matching

Calling all entrepreneurs! Meet scientists and licensing officers from leading national labs and universities. Learn about clean technologies that are ready for commercialization. Network with entrepreneurs and technologists who are assembling teams for the 2008 California Clean Tech Open. Come to the 2008 CCTO Innovation Partners Technology and Entrepreneur Matching Event - last year, this event drew a capacity crowd of over 300 people, so RSVP now to guarantee a spot.

SRI International
333 Ravenswood Avenue, Menlo Park, CA
Cost is \$20 for online registration and \$30 at the door (cash only).

Click [HERE](#) to RSVP and for directions.

http://cacleantech.org/events.php?page=eventDetail_matching
Walk-ins are welcome, but space is limited, so make sure you join us and RSVP now!

6. GCEP seeking preproposals on Grid Networks, Communication & Control

The Global Climate and Energy Project (GCEP) at Stanford University is pleased to announce a request for preproposals in the area of Grid Network, Communication and Control. GCEP is in a unique position to offer significant resources for pursuing risky but highly innovative research concepts. We fund fundamental research with a vision for significant impact on greenhouse gas emissions in a 10- to 50-year timeframe. The present request is an opportunity to explore promising but perhaps unconventional research ideas in the area of grid network, communication and control under a scenario where renewable resources comprise 50% of the generation mix. It is anticipated that a single proposal may be funded with a cumulative total of up to \$3,000,000. Since we intend to fund just a single proposal, we anticipate submissions to be multidisciplinary collaborations involving several investigators.

Universities with high quality research in electrical engineering, information management and power systems, are invited to respond to this solicitation. Since we cannot ensure that every faculty member with the experience and creativity required to successfully respond to this request has been contacted, we ask that you please share this request with appropriate colleagues to help us generate the broadest and highest quality response possible to this opportunity. This request for preproposals is intended for academic institutions only.

The deadline for submission of preproposals is June 2, 2008.

Please find the full request for preproposals at <http://gcep.stanford.edu/research/preproposal.html>.

7. Demand Response-Smart Grid Expo, Santa Clara, May 20 - 22

As the North American electricity grid comes under increasing pressure from continuing demand, the focus on curtailing peak load provides an opportunity for building owners and building automation stakeholders to participate in load shedding strategies driven by lucrative incentives offered by electricity suppliers.

DR-Expo, will be the first conference and expo focused at the implementation of Demand Response in commercial, residential and industrial facilities.

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Co-located with key relevant conferences:

- [BuilConn](#) - The future of connected buildings

- [HomeConn](#) - Energy centric home automation
- [IndConn](#) - Industrial & manufacturing automation
- [GridWise Expo](#) - The role of M2M in the Smart Grid
- [ZigBee Expo](#) - Bringing ZigBee applications to market
- Other events as part of [ConnectivityWeek 2008](#)
- Workshops: [Building Systems](#), [Enterprise Interoperability](#),
- [Smart Grid](#) and [Green Data Center](#)
-

Don't miss the key event for the future of Demand Response, held for the first time in the heart of Silicon Valley.

Ways to participate:

- [Register to attend and learn from experts](#)

Santa Clara
Convention Center

May 20-22, 2008

OTHER ENERGY NEWS

8. Interest in Smart Grids growing: DOE selects \$50 Million in projects

The projects were selected in response to DOE's Office of Electricity Delivery and Energy Reliability (OE) April 2007 Funding Opportunity Announcement seeking applications for research and development activities to improve the security of controls systems for energy delivery and increase the use of distributed generation during peak load periods. Included are:

ATK Launch Systems will demonstrate load reduction through an integrated network of diverse renewable generation technologies and intelligent automation. The project will integrate renewable generation and energy storage resources, including a novel compressed-air generation technology, wind-turbines, heat recovery systems, solar trough booster technology, a steam turbine, and hydro-turbine resources. (Duration: 5 years; Cost: \$1.6 million federal/\$2 million non-federal)

Chevron Energy Solutions will collaborate to significantly reduce peak load and measurably improve power reliability at the Santa Rita Jail. The project will integrate solar energy, fuel cell, energy storage and control systems. (Duration: 3 years; Cost: \$7 million federal/\$7 million non-federal)

San Diego Gas and Electric will develop a dispatchable distribution feeder for peak load reduction and wind-farming. The project aims to prove the effectiveness of integrating multiple distributed energy resources with advanced controls and communication systems to improve stability and reduce peak loads on feeders/substations. (Duration: 3 years; Cost \$6.9 million federal/\$4 million non-federal)

The University of Nevada will collaborate with homebuilder Pulte Homes, Nevada Power Company, and GE Ecomagination to address the construction of energy efficient homes that overcome electricity grid integration, control, and communications issues by building integrated photovoltaic systems, battery energy storage, and consumer products linked to advanced meters that enable and facilitate an efficient response to consumer energy demands. (Duration: 5 years: Cost: \$6.9 million federal/\$13.9 million non-federal)

RDSI focuses on integrating renewable energy, distributed generation, energy storage, thermally activated technologies, and demand response into the electric distribution and transmission system. This integration is aimed toward managing peak loads, offering new value-added services such as differentiated power quality to meet individual user needs, and enhancing asset use.

For more information visit: www.oe.energy.gov.

9. SolarCity introduces solar leasing, no-money-down PV systems

SolarCity will begin offering a 15-year solar-leasing contract to customers living in San Jose that requires no down payment. More details are available on the company's www.solarcity.com Web site.

The company describes it as a "promotional" program, saying it will be available until July 31. Lyndon Rive, SolarCity's chief executive, hopes it'll attract 100 to 200 new customers.

"People are looking for ways to adopt solar without the initial capital outlay," Rive said. That echoes comments made by Reed last week at the launch of the 2008 California Clean Tech Open. He challenged installers to figure out a way - in 60 days - that San Joseans could get solar for no money down instead of paying for an entire system upfront, typically \$20,000 to \$30,000.

Under the program, customers pay a monthly fee and get lower utility bills, but SolarCity retains ownership of the photovoltaic panels. In a typical scenario for a 2.8-kilowatt

system a customer with a \$150-a-month electric bill before installing solar would end up with a \$60-a-month electric bill, an \$80 or \$90 monthly lease payment to Solar City, and thus "positive cash flow" of as much as \$10.

10. \$130 Million to ESolar for solar-thermal power plants near towns

ESolar said it would use the money from Google.org, Idealab and Oak Investment Partners to make and install prefabricated solar-thermal power plants near towns and cities. The company said its plants will generate up to 33 megawatts, typically enough power for up to 25,000 California homes, and that several of these plants could be connected to create a larger facility.

Larger solar-thermal utility plants, being developed in the desert by companies such as Palo Alto's Ausra and Oakland's BrightSource Energy, require more land, cost more and take longer to build, said Rob Rogan, ESolar's executive vice president of corporate development.

"The key attribute of our technology is that it's economical at that smaller size," Rogan said. we can build smaller developments closer to where power is consumed."

The company said it will begin operating a plant in Southern California later this year, at an undisclosed location.

11. A Book Plug: Turning Numbers into Knowledge

The revised and updated 2d edition of our good friend, Jonathan Koomey's book "Turning Numbers into Knowledge: Mastering the Art of Problem Solving" has just been released by Analytics Press <<http://www.analyticspress.com/>>. It's now in both paperback and hard cover.

The first edition was great... this one should be super.

The 2nd edition includes a new chapter on data sharing web sites, an epilogue summarizing Jon's experience debunking an urban legend, an expanded further reading section, numerous updates and improvements throughout, and a new foreword from John P. Holdren, Past President of the American Association for the Advancement of Science, who writes: ""There is nothing else like this book out there. Nobody who deals with problems where numbers matter - and everybody in today's world really needs to - should be without it."

12. Proposed new fuel efficiency standards would negate Calif regs

Federal regulators have proposed benchmarks for automakers to hit on their way to reaching a fuel-economy requirement of [35 miles per gallon by 2020. Auto fleets will have to average 27.8 mpg by 2011 and 31.6 mpg by 2015 -- a more aggressive timetable than was required by Congress. That's 35.7 mpg for passenger cars in 2015 \(new cars averaged 31.3 mpg last year\) and 28.6 mpg for light trucks \(new trucks averaged 23.1 mpg last year\).](#)

Environmentalists were set to applaud the surprisingly ambitious targets before reading more closely; included in the 417-page proposal was a 24-word passage stating that the even stricter tailpipe-emissions laws favored by California and 17 other states are "an obstacle to the accomplishment" of the feds' proposed regulations and are "expressly and implicitly pre-empted" by federal law.

Let's see... 9 more months of this? aaaaghh

13. CA Cap and Trade.. potential shenanigans...

California's law requires cutting greenhouse gases to 1990 levels by 2020, about 25% below expected levels in that year, and aims to reduce them by 80% by midcentury. A draft plan on how to meet those goals will be released in June by the air board.

Under a cap-and-trade program, the state would impose a ceiling on emissions. Emissions permits would either be given away, auctioned or some combination of the two. Companies whose emissions are below the ceiling, or cap, could sell their pollution permits to industries that pollute above the cap. The system has been launched with mixed success in Europe, where it has been undermined by dubious emissions accounting.

Monitoring smokestacks inside California is the easy part of the regulation. But the power that California imports from states such as Utah and Arizona presents a problem.

Because California has no authority to clamp down on coal plants in other states, the utility and energy commissions are recommending that the air board regulate "first deliverers" who bring the power to the border of the state -- be they utilities or middlemen, such as the former Enron, who market imported electricity.

But Nahai calls that "bad policy, ripe for gaming and manipulation." He adds, "First deliverers can be faceless foreign companies beyond our control, with no assets and no interest in keeping the lights on."

Gary Stern, an economist for Southern California Edison, which supports the first-deliverer

rule, acknowledged that out-of-state generators could obscure the source of their emissions from California regulators.

"If I want to buy power from Utah, then the Utah company can arrange a deal to sell coal to the Northwest, and buy hydro from the Northwest and sell it to us. It will look clean, and we won't know that it sold coal."

But he said that the rule would at least prevent California-based generators from gaming the system.

To critics, the complexities of cap and trade recall the sort of wheeling and dealing that cheated California out of millions of dollars when it deregulated the power system in the late 1990s.

<http://www.latimes.com/news/local/la-me-climate20apr20,0,4318459.story>

14. Call for proposals: 2008 Behavior, Energy and Climate Change Conference

November 16 -19, 2008

Sacramento, California

Information: www.BECCconference.org

Following the extraordinary, sell-out success of the first BECC Conference in 2007, the second annual BECC Conference will be held November 16 - 19, 2008. The conference is focused on understanding the behavior and decision-making of individuals and organizations and using that knowledge to help accelerate our transition to an energy-efficient and low-carbon economy. On-line registration starts June 1.

This year, because of the high level of interest and breadth of topics, the conference is expanding to 2 1/2 days of sessions, plus a not-to-be-missed conference kick-off program and reception. There will be a rich mix of invited speakers, panels and networking opportunities PLUS presentations, posters and roundtable topics selected from submitted abstracts.

WE WELCOME PROPOSALS FOR PRESENTATIONS, POSTERS AND ROUNDTABLES:
We encourage you and your colleagues to submit proposals/abstracts on-line.
The deadline is May 27, 2008. See website address above for details.

JOBS JOBS JOBS

15. Sustainability & Resource Efficiency Coordinator, Portola Valley

The Town of Portola Valley is seeking a highly organized team member to fill the newly created position of Sustainability & Resource Efficiency Coordinator. The position is a limited term (12) month, grant funded position, reporting to the Town's Planning Manager. This position has the potential to develop into a permanent position, depending upon the level of success achieved during this initial period.

The successful candidate will be knowledgeable in the emerging science and technology relative to sustainability issues and other aspects of environmental protection, and will develop, implement and promote a wide variety of resource efficiency and environmental programs through community outreach and education.

Any combination of the desired knowledge, skills and abilities may be initially qualifying for the position. A Bachelor's Degree in planning, environmental science, or a related field is required.

Salary: \$4,111 - \$5,886 month, including benefits.

Apply by: May 30, 2008. For application or additional information, contact Town Hall, 765 Portola Road, Portola Valley, CA 94028; www.portolavalley.net or call (650) 851-1700, ext. 18; email: jmcdougall@portolavalley.net. EOE

16. OptiSolar: Manager, Technical Analysis

The successful candidate will lead the commercial analysis of technical issues. The following is a list of representative responsibilities.

- Evaluate the commercial impact of the technical requirements of contracts under negotiation as well as the codes & standards of new target markets
- Develop financial and contractual solutions to such issues
- Interface directly with counterparties, consultants and internal teams (including: Engineering, Supply Chain, Manufacturing)
- Build and use rigorous financial models to support decision making

- Develop technical and financial models to evaluate strategies to mitigate the impact of intermittent production on the transmission grid
- Develop technical proficiency on solar panels, farm installations, and grid interconnection to understand the economic impacts of performance criteria and technical requirements
- Keep abreast of the development of new regulations; represent OptiSolar in industry stakeholder meetings
-

Successful candidate will individually manage projects thereby utilizing a broad set of skills, including issue and data analysis, problem solving and communication.

Experience:

- Five+ years work experience in engineering and/or technical sales
- Familiarity with power engineering and grid interconnection issues strongly preferred
- Strong financial modeling and spreadsheet skills
- Exemplary oral and written communication skills
- Demonstrated interest in renewable energy technologies
-

Education:

- BA / BS from top university
- Engineering, physical science, or mathematics degree required
- Advanced engineering degree (MS, PhD) preferred
-

Compensation commensurate with experience. We provide a comprehensive benefits package including 15 days PTO, 10 days paid holiday, medical, dental, vision, 401(k) and competitive salary. At OptiSolar we operate in a casual teamwork environment. If your experience and skills meet or exceed our requirements please e-mail your resume in Word format to apligavko@optisolar.com or fax to (510)-401-5701. Please include "energyfolks" and the job code "2008-311 AP" in the subject line.

17. Alliance for Climate Protection: Climate Fellows Program

The Alliance for Climate Protection is accepting applications for a small number of Climate Fellows. The Fellows program is open to undergraduate students who have completed at least two years of college.

Founded in 2006 by Former Vice President Al Gore, the Alliance for Climate Protection is a

non-partisan organization committed to igniting public action to help solve the climate crisis. In early April, the Alliance launched the We Campaign, a highly visible three-year effort to help make climate change a top issue for American voters. The We Campaign is unprecedented in both scale and approach. For more information, see: www.wecansolveit.org.

Full-time summer and autumn fellowships are available in several departments at our Menlo Park office. Fellows may work in one or more of the following areas:

Social Networking. Build the climate change presence on social networking sites, assist in the dispersion of online media material, develop new mechanisms for viral marketing, and help with other online efforts as needed. Experience and interest with social marketing is required.

Grassroots Program Support. Create and distribute compelling materials to assist members of the We Campaign who are hosting house parties and gathering new members at concerts and other events. Develop a program to collect members' videos and photos of events, and write short profiles for the We Campaign website. Excellent writing skills, creativity, and event/party planning experience are a plus.

Development. Help write proposals and other fundraising documents, and review and track donation requests. Draft reports and presentations on Alliance activities and progress toward success metrics. Develop templates for Alliance and We presentations and documents. Attention to detail is a must, and knowledge of graphic design is a plus.

Marketing and Partnerships. Field, screen, and track media requests, public speaking requests, and partnership offers. Assist in developing the scope for annual review of the Alliance's corporate partnership program. Knowledge of marketing or corporate social responsibility is a plus.

Current Affairs. Identify and profile success stories across the country using video, podcasts, photos, etc. Develop memos and slides on current activities related to Alliance research and polling, US policy developments, clean energy investments, and other activities. Help update Alliance efficiency and low-carbon office plan. Excellent writing skills are a must.

Fellows will have the opportunity to draft short articles focused on climate change issues and climate change activism. Articles that meet the Alliance's quality standards will be published on the We Campaign website.

Applicants with a variety of experience levels and interests are encouraged to apply. All positions require excellent written and oral communications skills, good computer and search skills, strategic thinking, strong attention to detail, ability to successfully juggle multiple deadlines and assignments, and ability to work as part of a team.

To apply:

- * Email your resume, cover letter with references to: fellowships@climateprotect.org.
- * Your cover letter must state how you can help the Alliance and what you hope to learn during the fellowship. It should specify which fellowship program areas are of greatest interest to you and why. The letter should be no more than 500 words.
- * Your cover letter must also note which term - summer or fall - you prefer, and your availability with start and end dates.
- * Please also include the name and contact information for two references. At least one must be a professor or adviser at your university or college.
- * Your resume should indicate your GPA and classes relevant to the Fellows Program.
- * Applicants may also send one short (up to 4-page) writing sample.

Deadlines:

- * For summer fellowships, applications must be received by May 7.
- * For autumn fellowships, applications must be received by June 15.

Start dates:

- * Ten- to twelve-week summer fellowships begin in May or June, depending on the student's academic calendar.
- * Ten-to-twelve week autumn fellowships begin in August or September, depending on the student's academic calendar.

Stipend:

- * Fellows will receive a \$3,000 stipend for a twelve-week fellowship.
- * Fellows will receive a \$2,500 stipend for a ten-week fellowship.

Eligibility:

- * Fellowships are open to all undergraduate students who have completed two or more years of college.
- * Eligibility extends to the term immediately following graduation.
- * The Alliance is an Equal Opportunity Employer and we are committed to workplace diversity.

Location:

- * Fellows will work in our Menlo Park, CA headquarters, located a short walk from the Menlo Park Caltrain station and other public transportation.
- * We do not provide housing or housing assistance to Fellows.

18. Seeking Economic Modelers to help a web based clean energy startup

Wattbot is an angel-funded SF-based startup that is building a web service to help residential and small business consumers select the most appropriate Renewable Energy (RE) and Energy Efficiency (EE) technologies, with relevant finance options, tailored to

their individual needs. In order to achieve this goal, it gathers in-depth data about the end user both directly, and indirectly via their property address. This extensive data on site, structure, financials, goals, etc. is added to an extensive database of products, services, incentives, providers, weather, geography, etc. and is fed into a recommendation engine that generates a set of RE and EE options ranked by ROI, tailored to a particular consumer/property.

We are looking for microeconomic modelers to help us build this recommendation engine. They should have a strong base of analytical skills, experience in modeling RE and EE technologies on a ROI basis, a good sense of the trade-offs between accuracy and robustness, as well the ability to define and evaluate criteria for evaluating the model relative to ground truth. The model will be built in a step-wise fashion, starting with a subset of RE and EE technologies and restricted to specific geo areas (e.g. initially Bay Area only), growing to encompass all of North America and an increasingly larger set of RE and EE options. Programming skills are desirable, but not required. Start date: ASAP.

Contact Kurt Brown <kurt@wattbot.com>.

19. Energy Modeler, Risk Analyst, Union of Concerned Scientists, Cambridge

<http://www.ucsusa.org/ucs/about/jobs-at-ucs.html>

Clean Energy Program
Cambridge, MA Office

The Union of Concerned Scientists (UCS) is seeking an Energy Modeler to conduct analysis and modeling of clean energy and global warming policies at the state, regional and national level. The candidate will work with a multi-disciplinary team in our Clean Energy Program to advance strong clean energy policies. Candidates must have a solid background in energy modeling and the energy field in general.

Risk Analyst
Clean Energy Program
Cambridge, MA Office

The Union of Concerned Scientists (UCS) is seeking a Risk Analyst to use risk-analysis methods to evaluate energy resource and global warming mitigation options. We seek to better evaluate, document and communicate the benefits of efficiency and renewable energy strategies to hedge against future risks associated with emissions, fuel prices, and other factors. Evaluate costs, benefits and risks of decisions to invest in or delay decisions on new power plants, from perspective of utilities, regulators, investors, and large corporate energy consumers. The candidate will work with a multi-disciplinary team in our Clean Energy and Climate Change Programs to advance strong clean energy and climate

policies and regulations. Candidates must have a solid background in risk-analysis and valuation methodologies, with knowledge of energy technologies and decision-making preferred.

To Apply: Please submit cover letter referencing where you learned of this job opening, resume, and 1-3 page writing sample by Friday, May 9, 2008 via email to cleanenergy@ucsusa.org with a subject line of "Risk Analyst."

No calls please.

Posted: April 15, 2008

20. Energy Modeler, New York

Cosentini Associates (<http://www.cosentini.com/>) [invites you to consider an exciting opportunity within our New York City Office. We are seeking an Energy Modeler to support our growing green building consulting practice.](#)

About this opportunity:

This position offers a career challenge, growth and provides access to a market-leading compensation and benefits package. Your projects will typically involve modeling for high rise commercial buildings. You will collect data and perform energy model simulations using contract documents prepared by the project Architect and Engineer. You will draft reports communicating the findings from energy modeling software, make recommendations for improved energy performance and complete associated LEED documentation. Depending on your level of experience and communication skills, you may attend project meetings and manage client interactions to support energy-related decision making on Cosentini projects.

What kind of candidate are we looking for?

The ideal candidate will have experience designing energy systems, performing iterative energy models for commercial buildings, analyzing results, and presenting recommendations to clients. Candidates must be proficient with energy modeling software such as Trace 700, Energy Plus, eQuest, Visual DOE, etc. The candidate must be familiar with the LEED Green Building Rating Systems, particularly as they pertain to building energy use.

Why join Cosentini?

Cosentini is a nationally recognized MEP design firm with strength in green building and sustainability design. We have offices in New York City, Chicago and Boston. Our signature projects are many and include high rise buildings such as the Chicago Spire which is currently under construction and will soon be the tallest building in the United States. As part of the Tetra Tech family of companies we are home to some of the best minds in the

country including nationally renowned subject matter experts. Tetra Tech has more than 250 offices worldwide and employs approximately 7,500 people.

Email your resume to Diana Soto-Alvarez, email address: DSoto-Alvarez@cosentini.com

21. Energy Modelers to work in Dubai

Burt Hill, an established international design firm, is seeking engineers with experience in IES <VE> to be full-time energy modelers and to work closely with designers on sustainable and LEED projects. We are looking for experienced candidates who can contribute to a fast paced, multicultural design team.

An engineering or energy related building science degree is required as well as experience with IES <VE> and knowledge of ASHRAE 90.1 2004. Preference is given for LEED accredited professionals with experience in using simulation software on LEED projects.

The position is located in Dubai, United Arab Emirates. You will have opportunities to work on iconic projects with an energetic team of architectural, engineering, and interior design professionals.

Email your resume to james.dudt@burthill.com.

For more information about Burt Hill, visit <http://www.burthill.com/>.

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Mechanical Engineer
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Mob: +971 50 154 4795
<http://www.burthill.com>

22. E Source, Boulder CO: Technology Assessment; Efficiency Services

Full-time, regular (#300-09)

Our Member Services group is looking for a service line leader with excellent people skills and experience as a public speaker and writer. The service leader has a highly interdisciplinary role in our business-one in which skills in project management, marketing, product development, customer retention, and even research and analysis come into play.

With 65 people on staff, E Source is a growing company with a prime focus on delivering energy-efficiency research. We offer a broad line of energy information and advisory services to the energy industry, targeting utilities, government organizations, and large end users across North America.

The E Source Technology Assessment Service (TAS) (download brochure PDF) provides research, information, and advisory support directed at utility personnel who are responsible for technology services, emerging technology, account management, design and implementation of DSM programs, and other products and services that utilize or incorporate energy-consuming technology. This service is also directed at Fortune 500 energy managers who use this technology information for energy management, environmental decision-making, and operations and maintenance procedures. This research focuses on stationary energy-consuming residential, commercial, and industrial technologies; emerging technologies; energy-efficiency and demand-response technologies; appliance efficiency standards; and the operation and maintenance of equipment.

Specifically, this job will provide full-time support and assistance in product management and delivery channels for TAS, as well as other duties as directed. This person will be responsible for member services and communication, customer account management, retention of business, product management including profit and loss responsibility, and ensuring customer satisfaction with E Source and the TAS subscriptions.

You will also help E Source develop innovative new offerings for this market segment. You'll work closely with our Research department, translating the customer needs you identify into research projects. You'll have ample opportunity for travel as you go out to meet our customers in person and to attend and make presentations at national conferences in this field.

This position is located at E Source headquarters in Boulder, Colorado, one of the most beautiful and intellectually stimulating mountain cities in the U.S. It offers incredible opportunities for outdoor activities of all kinds, as well as access to diverse educational, cultural, and artistic communities.

* These are electric and gas-consuming appliances, equipment, and other end-use technologies used in commercial, institutional, industrial, and residential buildings. They include lighting, HVAC, motors, refrigeration, building envelope, photovoltaics, plug-in electric hybrids, and pumps.

For more information on this job posting, go to www.esource.com/public/job_opportunities.asp.

To apply, please send your resume with a cover letter and any samples and/or links to sites containing your work to jobs@esource.com with "[Leader, Technology Assessment Service; Efficiency Services \(300-09\)](#)" in the subject line. E Source is an Equal Opportunity Employer.

23. Summer Internship, Sandia Labs, Lo-C Energy System Modeling & Optimization

We are looking for chemical or mechanical engineering students with backgrounds in chemical engineering process simulation, heat transfer, thermodynamics, stationary or mobile power plant design, and/or energy conversion device design. Ideal candidates have

knowledge of chemical engineering process simulation software, such as Chemcad and/or ASPEN, knowledge of fuel cell systems, and/or knowledge of stationary cogenerative power plant design. Some knowledge of economics and optimization is also helpful.

The core body of this work is in developing models of stationary cogenerative fuel cell systems and related energy conversion or storage devices. These energy device models will be connected to each other to simulate a distributed energy grid composed of many such devices. This macro-distributed grid model will be tested against electricity and thermal demands in buildings. The design of these energy devices, their installed capacity, and their installation design and control will be optimized in the context of energy demands.

Successful candidates will help evaluate avant-garde designs of cogeneration stationary fuel cell power plants, and building energy demands. Assessment criteria for these energy systems and supply chains will include 1) their impact on the environment including a) greenhouse gas emissions, b) criteria air pollutants, c) solid waste production, d) human health and e) energy efficiency; 2) their implications for national security including a) the security of the fuel and energy supplied, b) the diversity of the fuel supply, and c) the dependence of foreign oil; and 3) their costs to consumers, governments, and incumbent energy suppliers.

Required / Desired Criteria:

Required General Student Internship Program (SIP) Criteria:

Must be at least 16 years of age

Must have full-time enrollment status at a college or university

Must have a minimum cumulative GPA of 3.2/4.0 (or 4.0/5.0)

Must be a U.S. citizen

Undergraduate student status

Knowledge of chemical engineering process simulation software (Chemcad and/or ASPEN)

Desired Criteria:

We are also looking for chemical or mechanical engineers with backgrounds in chemical engineering process simulation, heat transfer, thermodynamics, stationary or mobile power plant design, and/or energy conversion device design. Ideal candidates have

Knowledge of chemical engineering process simulation software, such as Chemcad and/or ASPEN.

Knowledge of fuel cell systems.

Knowledge of stationary cogenerative power plant design.

Some knowledge of economics and optimization is also helpful.

We are looking for both undergraduate and graduate students.

Thank you,

Whitney Colella

Sandia National Laboratories

MS 0734, PO Box 5800, Albuquerque, New Mexico, 87185

Phone: (505) 844-8534; Fax: (505) 844-7786

24. Atelier Ten: Senior Enviro Design Consultant, Bldg Energy Analyst, San Francisco

Atelier Ten are opening an office in San Francisco in the autumn of 2008 and are welcoming applications for a senior Environmental Design consulting position. The candidate will work closely with Atelier Ten's integrated design groups to provide architects, engineers, and project teams the full range of our services, which include environmental design consulting, building energy optimization, daylight and shading design,

and LEED program management. Atelier Ten expects that the candidate will manage projects that range widely in types and scales. The candidate will also have company-wide responsibilities including business development and staff training; there are possible additional opportunities for taking on practice management responsibilities.

Candidates are required to be experienced in building systems engineering and energy-efficient design, have at least three years' experience as a professional environmental design consultant, have at least six years' experience in the building design industry, have a Bachelor's or higher degree in a field related to building design, and be fluent in written and spoken English. Preference will be given to candidates who have experience managing a consulting group; are LEED AP; have other professional certifications or licenses as appropriate; and, who have speaking, publishing, and/or teaching experience.

Interested candidates should submit a CV and cover letter by 25 April 2008 Via Email . Please reference "Atelier Ten San Francisco" in your subject line.

SENIOR ENVIRONMENTAL DESIGN CONSULTANT

Atelier Ten are welcoming applications for a senior Environmental Design consulting position. The candidate will work closely with Atelier Ten's integrated design groups to provide architects, engineers, and project teams the full range of our services, which include environmental design consulting, building energy optimization, daylight and shading design, and LEED program management. Atelier Ten expects that the candidate will manage projects that range widely in types and scales. The candidate will also have company-wide responsibilities including business development and staff training; there are possible additional opportunities for taking on practice management responsibilities.

Candidates are required to be experienced in sustainable and energy-efficient building design, have at least three years' experience as a professional environmental design consultant, have at least six years' experience in the building design industry, have a Bachelor's or higher degree in a field related to building design, and be fluent in written and spoken English. Preference will be given to candidates who have experience managing a consulting group; are LEED AP; have other professional certifications or licenses as appropriate; and, who have speaking, publishing, and/or teaching experience.

Interested candidates should send their resume and cover letter via email: usa.recruitment@atelierten.com

BUILDING ENERGY ANALYST

Atelier Ten is looking for an experienced and ambitious energy analyst to join our interdisciplinary environmental design team in our New York City office. The candidate will work closely with Atelier Ten's energy analysis practice manager to develop and maintain analysis methods and standards; assist other staff with energy analysis-related work; and train staff in aspects of energy analysis. The candidate also will work closely with Atelier Ten's integrated design groups to provide architects, engineers, and project teams the full range of our services, which include environmental design consulting, building energy optimization, daylight and shading design, and LEED program management. Atelier Ten expects that the candidate will also manage projects that range widely in types and scales.

Candidates are required to be experienced in sustainable and energy-efficient building design, have at least five years' professional experience in building physics and in energy modeling with eQuest or another DOE2-based analysis tools, have a Bachelor's or higher degree in a field related to building design, and be fluent in written and spoken English. Preference will be given to candidates who have knowledge of EnergyPlus, TRNSYS, IES, or other similar software; experience managing a consulting group; are LEED AP; have other professional certifications or licenses as appropriate; and, who have speaking, publishing, and/or teaching experience.

Interested candidates should send their resume and cover letter via email: usa.recruitment@atelierten.com

25. Management Consultants: Bass & Company, Renewable energy/utilities

In 2007 a new generation of U.S. utility industry executives engaged their companies in an unprecedented fashion to join the fight to reduce the impacts of global warming. This critical engagement is driving billions of dollars of investment in renewable energy generation, energy efficiency and demand response. This new paradigm is supported by legislation and regulation in most states, which enable utilities to develop new profitable ventures. Bass & Company Management Consultants is positioned to be a leading player in this arena for utilities within the Energy Efficiency (EE) space.

We are seeking Utility Industry Energy Efficiency professionals that can facilitate the assessment of EE growth strategies. We have been helping clients to build the organizations and supporting infrastructure to support these strategies. Our focus is to

assist clients in developing optimal products and services portfolios, and the appropriate business and regulatory models to build profitable product lines. We seek highly motivated and innovative individuals with the following experience:

- o Proven ability to develop project proposals that assist clients in moving their energy efficiency initiatives forward.
- o Strong communication skills combined with the ability to work closely with client organization to develop and understand client requirements. Experience leading assessments of energy efficiency programs, product portfolios, organizational structures, operational performance, market potentials, supporting infrastructures and overall strategies.
- o Experience consulting with clients to ensure that proposals and all aspects of project plans meet or exceed customer requirements.

Significant direct operational experience in utilities or consulting to utilities for energy efficiency programs is preferred. Knowledge and experience in several or many of the following areas:

- o EE regulatory plans
- o EE technologies and efficiency standards
- o EE program design
- o EE cost effectiveness tests
- o Marketing EE programs and customer incentive structures
- o Program evaluation methods
- o Market potential studies
- o State and federal regulatory and legislative initiatives impacting energy efficiency

We are seeking individuals with a commitment to producing consistently high quality results for our clients, who have experience leading multi-disciplinary teams to create effective client outcomes, and who have excellent speaking and presentation skills

Bachelor's Degree in Business, Economics, Marketing or Information Technology.
MBA preferred.

For more information or to forward your resume, please contact Carmen Calabro
724-746-5810,
or email carmencalabro@bass-us.com

26. Energy policy research analyst: TVA

The Southern Alliance for Clean Energy is seeking an outcome-oriented analyst needed to conduct energy policy research, with a focus on the area served by the Tennessee Valley Authority. Analyst will primarily

study and recommend strategies to achieve significant increase in energy efficiency, but may also engage on renewable energy, and other strategies to reduce global warming pollution from the energy sector. Solid writing, public speaking, analytic and computer skills are necessary; experience with state agencies, decision-makers, media, and non-profit advocacy desired, TVA-specific experience a bonus. Advanced degree strongly preferred but willing to consider strong candidates with a bachelors degree and significant work experience only. Competitive non-profit salary w/ option of full benefits. Email jobs@cleanenergy.org to apply (no calls please).

27. Research Fellow and Ph.D. studentships in UK

The Institute of Energy and Sustainable Development (IESD) at De Montfort University (Leicester, UK) has presently 5 new PhD studentships available and they are advertised at <http://www.iesd.dmu.ac.uk/vacancies/>. The subject areas of the studentships include climate change, energy and buildings, human comfort, geothermal systems, and natural ventilation.

We are also advertising for a new Research Fellow (£29,138 - £41,545 pa) to work on "Probabilistic climate change scenarios in the built environment" - please see <http://www.jobs-dmu.co.uk/researchmoreinfo.asp?JID=1779> for further details.

Yi Zhang
IESD, De Montfort University, Leicester, UK

28. Program Manager, Harvesting clean energy, Pacific Northwest

Position Opening - Program Manager, Harvesting Clean Energy

The Pacific Northwest is fast becoming a global leader in catalyzing the new technologies, enterprises, and policies that will drive private and public investment toward clean energy and other climate solutions. Climate Solutions has been at the forefront of this movement as well as a recognized national leader in effective state and regional action on climate.

Climate Solutions' mission is to accelerate practical and profitable solutions to global warming by galvanizing leadership, growing investment and bridging divides in the Pacific Northwest. Since our founding in 1998, Climate Solutions has emerged as one of the most effective, accomplished climate groups in the nation. In partnerships with an extraordinarily wide array of business, farm, government, and civic interests, Climate Solutions is building a new, sustainable prosperity in the region. And we aim to do it in

ways that build the technologies, policies, and enterprises that can deliver climate solutions to the world. For more information about Climate Solutions, visit www.climatesolutions.org.

Climate Solutions is a \$1.5 million/year and growing operation with offices in Olympia and Seattle. Climate Solutions now seeks an outgoing, energetic, self-motivated and outcome-oriented individual to serve as Program Manager for our Harvesting Clean Energy program. Climate Solutions' Harvesting Clean Energy program reaches across the urban-rural divide in the Pacific Northwest to cultivate common ground with a simple shared goal: to foster rural economic development through clean energy production. The program brings together important private and public sector leaders from the agriculture, rural development, energy, university and non-profit sectors.

The program fosters collaboration toward a unifying goal - rural economic development through clean energy - that offers many benefits: increasing our energy independence, bolstering our family farms and rural economies, and providing clean energy and solutions to important environmental challenges. At the same time, the program advances Climate Solutions' overall mission of "accelerating practical and profitable solutions to global warming by galvanizing leadership, accelerating investment and bridging divides." For more information on our Harvesting Clean Energy program, visit

<http://www.harvestcleanenergy.org/index.html>.

This is not only an exciting challenge but also a great career opportunity, and a chance to make a real difference in pioneering the clean energy revolution!

Closing Date: Close of business Wednesday, May 7

PRINCIPAL DUTIES AND RESPONSIBILITIES:

- * Serve as the primary representative of the program, fostering the collaborative spirit among the full spectrum of partner organizations.
- * Develop strong subject matter expertise on key issues at the center of policy and commercial developments affecting rural clean energy in the Northwest. Inform internal strategy discussions, make public presentations and speak with reporters.
- * Provide substantial operational support to our signature annual event -- the HCE Conference.
- * Operate as primary liaison to the agriculture and rural communities for CS policy campaigns, helping ensure policy proposals will benefit rural communities and coordinating policy engagement of rural and agriculture leaders for CS campaigns. Part of this function is to ensure up-to-date relationship tracking and data base management.
- * Contribute increasingly to program communications, ranging from our weekly "HCE Report" on NW Ag Information Radio Network, to success story profiles for the HCE website, to media outreach.

Qualifications

Education: BA degree or equivalent experience is required.

Experience: Minimum 5 years of directly relevant experience

- * Proven success working with coalitions and varied personality types
- * Experience in policy analysis and advocacy
- * Public speaking and media work
- * Strong working knowledge of energy and/or rural issues

* Previous work in the non-profit sector is preferred

Other Skills/Attributes

* Strong interpersonal skills in person, on phone and email

* Leadership in group and coalition settings

* High quality written and verbal communication skills

* High comfort level and professionalism when working with people who have different policy priorities

* Attention to detail and strong organizational skills

* Ability to work calmly under pressure and in a collegial fashion with a diverse group of colleagues, and to foster and maintain strong relationships with media and coalition partners

* Competent computer skills, comfort working in a Windows environment, proficiency with MS Office

* Commitment to furthering clean energy, rural development, and responsible climate policy

* Competitive salary with generous vacation policy and full health/vision/dental coverage for employee.

Location: It is strongly preferred that the HCE Program Manager is stationed in our Olympia office; however, we can consider Seattle, Portland or other NW locations. This position will require fairly frequent travel within the NW region.

To Apply: Send cover letter (addressed to Rhys Roth, Director of Clean Energy Programs), resume, writing sample, and three references - package not to exceed 7 pages -- via email (as attachments) or fax to:

Shannon Sedgwick: shannon@climatesolutions.org (Please put HCE Program Manager in the subject line);

Fax: 360.943.4977

NO CALLS

Job announcement closes on Wednesday, May 7, 2008. Resumes submitted after that date may not be accepted.

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

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energyfolks mailing list

energyfolks@lists.stanford.edu

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