



TAMPA BAY ASSOCIATION OF ENVIRONMENTAL PROFESSIONALS

WWW.TBAEP.ORG

TIME FOR YOUR TBAEP 2007 MEMBERSHIP RENEWAL

It's time for TBAEP's Annual Membership Drive and Renewal Period. According to a variety of publications, belonging to a professional association can increase your effectiveness at your current job and your marketability for a new job. An American Marketing Association study found that eight out of 10 hiring managers and executive recruiters think "applicants who belong to professional organizations are higher-quality candidates," and "those who belong to such groups tend to have more experience and education."

Networking is described in many different ways but in Webster's New World Dictionary it is defined as "the developing of contacts or exchanging of information, as to further a career". We like the way that Connect@Caltech describes it: "an approach to broaden the resources available to you to achieve your personal and professional goals while supporting others to achieve theirs." C@C describes a good network as "being characterized by including members who not only have experience and information but are willing, when approached, to share it - to widen the circle."

Jobfind.com says that one of the best ways to build a personal network is by joining professional organizations. Jobfind also advises that affiliating with a professional organization can also provide credibility in your field and contact with thought-leaders and their ideas or technology and participation in a local chapter can put you elbow-to-elbow with insiders and people who are working in the companies or industries you're trying to penetrate. They suggest you use the following ten steps to maximize your value of affiliation:

- 1. Attend the local chapter meetings.** Speakers present valuable insights into "hot topics" related to your field of interest. By listening and asking questions, you'll become well informed and up-to-date.
- 2. Meet like-minded people.** Most meetings facilitate schmoozing. With your "elevator speech" modified to fit the occasion, you can work the crowd, meeting people who share your career path or goals. Ask them about their journeys, current industry trends and their take on the market. Test your perceptions.
- 3. Greet new arrivals.** Walking into a room full of strangers may be your worst nightmare. Try positioning yourself near the entry to welcome other people as they arrive. Introduce yourself as a guest or new member and start up a conversation. If they are new, you can commiserate; if they are established members, you can ask them to introduce you to others.
- 4. Join a committee.** Volunteers run most professional organizations. While there may be a professional administrator, there are always tasks that need to be done by members. Find out if any board members need help. Join the membership committee to recruit new members. Offer to post job opportunities on the Web site or to produce an email to companies seeking job listings. Join the program committee to plan events and solicit speakers.
- 5. Publish an article.** Many local professional organizations produce newsletters and other written communications and they are often looking for material. Write an article that will give you visibility among the members.
- 6. Initiate a special interest group.** Some organizations are quite large with more than 100 people attending chapter meetings. Find out if there are small spin-off groups that also meet regularly to focus on a particular topic.

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DECEMBER 2006

Mark your Calendar!

Upcoming Meetings:

- **December - Holiday Break**
- **Jan. 18 - 5:30 PM**

Happy Hour at Kahuna's Bar & Grill - the only beach bar not on the beach

- **Jan. 19 - 8AM-5PM**

Wetlands Workshop

David Melvin

Weedon Island Educational Center

- **Feb. 21 - Luncheon**
Florida Aquarium
- **Mar. 15 - Luncheon**
Joint luncheon with ASCE
- **May 16 - Luncheon**
EpiCenter at ICOT

NAEP

32ND ANNUAL CONFERENCE

Environmental Leadership:
Science, Education, Alliances
April 22-25, 2007 Orlando, FL

Go to: www.naep.org



Environmental Water Resources Institute (EWRI) World Congress May 2007

Next May, environmental and water engineers and folks from all over the World who work in environmental and water related fields are expected in Tampa to participate in the 2007 EWRI World Congress - "Restoring Our Natural Habitat."

This Congress will focus on Habitat Restoration with a dozen technical tracks covering issues from coast to coast and around the globe!

Presentations will be made by members of industry, government, and academia and in addition to the technical sessions, technical tours are also planned. But not only technical tours, "Lifestyle Tours" are in the works for guests and spouses. We plan to show off Tampa and the Sunshine State.

ASCE's 2007 EWRI World Congress promises to have many Technical Papers and Programs. But since Tampa, Florida is such a great place to visit (as well as to live, as we all know), the upcoming Congress also will be filled with things to do that are both fun and truly informative.

Plan on attending the Congress with your family. Tours in the works include a canoe trip down the Hillsborough River. We will stop for a barbeque lunch and presentation by the Hillsborough River Greenways Task Force (<http://www.hrgtf.org/>) at Nature's Classroom, Hillsborough County's 365-acre pristine outdoor classroom.

Also planned is an Outreach to local students at the Florida Aquarium (<http://www.flaquarium.org/>). For the first time ever, the 2007 EWRI Congress will include an outreach program that brings together professionals, university students, and 100 kids from local Tampa bay area schools. The goal of the activity is to inspire and encourage students to pursue careers in engineering with a particular emphasis on environmental fields and applications. Professional mentors are indeed encouraged to volunteer for this activity which qualifies for 3 PDH credits. If you would like to volunteer as a mentor for this one day program, please contact Sheila Carpenter-van Dijk (813-621-9229, scarpenter@chastainkillman.com).

And the technical tours! Also in the works are tours to Tampa Bay's Desalination Facility, Surface Water Treatment Plant, New Reservoir, and the Howard F. Curran Advanced Wastewater Treatment Facility. We have planned an all-day excursion to view areas related to restoration of the Florida Everglades. There may be an airboat ride in your future if you sign up for the Saturday Tour. We also plan to visit the Fred & Idah Schultz Nature Preserve, the Tampa Bay Estuary, Cockroach Bay and a restored mining area of Mosaic, Inc.

Registration is now open. Go to the Congress website for more information. You can also sign up on line: <http://content.asce.org/conferences/ewri2007/>.

By Sheila Carpenter-van Dijk, Local Arrangements Chair, Chastain-Skillman, Inc.

7. Offer to present a topic in your area of expertise. Let members see you in action. Make sure you plan thoroughly and rehearse your presentation. Now you are advancing from creating visibility to creating buzz.

8. Serve as a panelist. Less demanding than being the featured presenter, speaking as part of a panel of experts provides both visibility and the opportunity to work with other leaders or innovators within your profession. When people have an opportunity to observe the quality of your work, they become your champions.

9. Attend national/international conferences. While this can be expensive, it's an ideal way to meet people, hear experts present on cutting-edge topics, and research opportunities to serve your profession at the national or international level. When you return, you can write an article about the conference in the chapter newsletter, again maximizing your visibility.

10. Network with your colleagues. With the entry provided by your membership, propose one-on-one meetings with your colleagues to get to know them better.

Explore ways that you can help one another achieve your goals. Go to this link to see the complete JobFind article:

<http://print2.jobfind.com/careerConnection/view.bg?articleid=102>

MEMBERSHIP NEWS

Did you know that together we can achieve more? If every TBAEP member introduced the benefits and services of our association to a co-worker, colleague, friend or associate, we would double the resources available to meet the needs of **YOU**, our member. Not only financial resources, but human resources, our most important ones.

We'd like to welcome these new and renewing members to our organization:

Karen Burnett

Todd Campbell

Leigh Ann Elgin

Employment Opportunities

Position	Employer	Exp.	Contact	Info.
Senior Biologist	EarthBalance-Davenport Office	5 yrs	Kburnett@earthbalance.com	Permitting, Project Management

Go to <http://www.naep.affiniscap.com/displaycommon.cfm?an=1&subarticlenbr=48> for national internship opportunities.

Check out www.eco.org for other Environmental Internship opportunities!

Energy Efficiency and Renewable Energy Network News

Microbiology Could Revolutionize Energy Materials Production

A number of recent findings in microbiology are pointing towards a potential revolution in the production of hydrogen, power, and biobased materials. For example, in an attempt to understand photosynthesis—the biological process that captures the energy in sunlight—researchers at DOE's Lawrence Berkeley National Laboratory (LBNL) have used high-resolution measurements to determine the structure of a catalytic cluster of atoms found in a photosynthetic protein complex. Understanding the structure of the catalyst, which consists of four manganese atoms and one calcium atom, could help lead to an efficient method of converting solar energy into hydrogen. On a more practical level, researchers at Nanologix, Inc. have developed bacteria that feed on a mixture of switchgrass and grape juice waste under anaerobic conditions, producing a mixture of hydrogen and carbon dioxide. According to the company, the carbon dioxide is easily removed from the gas mixture, leaving only pure hydrogen gas.

Other recent advances suggest ways to convert biomass directly into electricity. A study of proteins by DOE's Pacific Northwest National Laboratory (PNNL) found that energy supplied to the proteins caused them to transfer electrons to a mineral. Employed in a fuel cell, the unique proteins could potentially convert biological waste directly into electricity. Meanwhile, the Air Force Office of Scientific Research has awarded a \$4.5 million, five-year grant to the University of Southern California to investigate bacteria that could be used in a fuel cell to convert waste directly into electricity.

BuildingGreen Names

Top Ten Green Building Products for 2006

BuildingGreen, Inc., a publisher of green building news and directories, has named its 2006 Top-Ten Green Building Products, most of which have some relation to energy efficiency and renewable energy. Among the obvious energy efficiency products are windows that can be electronically switched from clear to tinted. Called SageGlass, the product from Sage Electrochromics, Inc. uses "electrochromic" tungsten oxide coatings that turn dark when a voltage is applied to them, allowing automated or manual control of daylighting. Other top efficiency products are a water-efficient showerhead from Delta Faucet Company and the Coolerado Cooler, a high-efficiency indirect evaporative cooler that cools air without adding humidity. Coincidentally, the Delphi Corporation announced last week that it has taken over the production of coolers using the Coolerado Cooler technology, and the coolers will now be called Delphi Heat and Mass Exchangers.

Top green building products with a more tenuous relationship to energy include a polished concrete system from Advanced Floor Products, Inc. that allows for attractive floors made of poured concrete. The product could be useful in passive solar buildings that use concrete as a means of thermal storage, or in buildings with radiant floor heating. Other materials on the top-ten list could help reduce petroleum use, including PaperStone, a biobased solid-surface composite made from paper and a non-petroleum resin, which is derived in part from cashew shells. Likewise, 3form, Inc. produces panels from recycled plastics, and Timbron International, Inc. does the same for interior molding. Last but not least are water-saving irrigation controls from HydroPoint Data Systems, Inc. The system modifies its watering schedule based on weather data, reducing outdoor water use by as much as 59 percent. Although reducing cold water use provides no energy savings for the consumer, it saves energy that would otherwise be used to treat and pump the water. See the [BuildingGreen press release](#) and [details on all the products on the top-ten list](#) on the BuildingGreen Web site.

EPA Recognizes Companies, Individual for Saving Water

The EPA has announced the winners of a new awards program aimed at recognizing outstanding leadership and innovation in water efficiency. Winners of the first Water Efficiency Leader Awards were chosen by a panel of national water experts and based on three criteria: leadership, innovation, and water saved. The State of *Florida's Water Reuse Program* has been chosen as a model for efficient use of water on the statewide level. The state's comprehensive program includes a wide variety of elements, ranging from state regulations to public outreach and reuse feasibility studies. As of 2005, 41% of all wastewater in Florida was treated for reuse, saving over 331 million gallons per day while watering residential lawns, golf courses, and parks. The Awards seek to foster a nationwide ethic of water efficiency, as well as to inspire, motivate, and recognize efforts that save water.

Go to <http://www.epa.gov/water/wel/> for more information about the awards.

Supreme Court Docket Full of Environmental Cases

Last month's rancorous oral argument in the case of *Environmental Defense, et al. v. Duke Energy Corp.*, signaled the beginning of what could be an important term for environmental issues at the U.S Supreme Court. While it is too early to know whether it indicates a trend, the Roberts Court has demonstrated its willingness to set its own course on environmental issues. The Court has already accepted review in four high-profile environmental cases this term. In three of those four cases, the Court accepted review over the Bush administration's objections. The Court also surprised most commentators when it accepted review in a case where review was filed solely by an environmental group. This was the first such case accepted for consideration in 35 years. Go to: <http://www.martenlaw.com/news/?20061108-supreme-court-docket> for more info.

A California utility has petitioned the Supreme Court to review a Ninth Circuit decision requiring the Nuclear Regulatory Commission (the Commission) to consider potential terrorist attacks as part of its environmental review for nuclear facility licenses. *San Luis Obispo Mothers for Peace v. Nuclear Regulatory Commission*, 449 F.3d 1016 (9th Cir. 2006), *petition for cert. filed*, 2006 WL 2826275 (U.S. Sept. 29, 2006). If the Supreme Court declines review, or affirms the Ninth Circuit, entities operating nuclear facilities will be required to take into account the environmental consequences of potential terrorist attacks during facility licensing under the Atomic Energy Act (AEA). Additionally, terrorism analyses could be required for a broad range of federal projects, including dam relicensings, that may be identified as high value targets of terrorist attacks.

Go to: <http://www.martenlaw.com/news/?20061101-threat-inclusion-required> for more info.

from *environmental news*, Marten Law Group

UPCOMING CONFERENCES

4 TH ANNUAL CONFERENCE ON REMEDIATION OF CONTAMINATED SEDIMENTS	JAN 22-25	SAVANNAH	www.battelle.org/sedimentscon
NEW PARTNERS FOR SMART GROWTH	FEB 8-10	LOS ANGELES	WWW.NEWPARTNERS.ORG
ENVIRONMENTAL CHALLENGES AND INNOVATIONS CONFERENCE	FEB 15	HOUSTON	HTTP://WWW.TAEP.ORG/TAEP/CONFERENCE/DEFAULT.ASPX
INTERNATIONAL CONFERENCE ON SOLID WASTE TECHNOLOGY & MANAGEMENT	MAR 18	PHILADELPHIA	www2.widener.edu/~sxw0004/call.html
ENGINEERING SUSTAINABILITY 2007	APR 15-18	PITTSBURGH	www.engr.pitt.edu/msi/2007conference/confmain.htm
NAEP ANNUAL CONFERENCE	APR 22-25	ORLANDO	WWW.NAEP.ORG
INTERNATIONAL SOIL AND WATER CONSERVATION SOCIETY-INVASIVE SPECIES SYMPOSIUM	JULY 21-25	TAMPA	WWW.SWCS.ORG

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TAMPA BAY ASSOCIATION OF ENVIRONMENTAL PROFESSIONALS

New Member? Yes No Renewal? Yes No Date _____

\$45 Chapter Membership *and* FAEP Membership \$10 Student Chapter Membership

National Association of Environmental Professionals Membership (optional)

\$150 NAEP only Dues (NAEP Member # _____)

First Name: _____ Last Name: _____

Title/Position: _____

Affiliation: _____

Address: _____

City: _____ State: _____

ZIP: _____ Phone (w): _____

Email: _____ Fax: _____

CEP? Yes No

Dec newsletter

Employment: Academic Government Private

Type of Work: (1) Environmental Management (2) Environmental Planning (3) Environmental Compliance

(4) Biology-Botany, Ecology, Wildlife Management (5) Engineering

(6) Law (7) Environmental Consulting (8) Other

Area of Expertise: (10) Impact Assessment (20) Design (30) Permitting

(40) Monitoring/Analysis (50) Teaching (60) Research

(110) Waste Management (120) Other

Degree(s)/Year _____ University _____

AFFIRMATION: I hereby affirm and agree that I will abide by the Code of Ethics of the Association. I further understand that falsification of the contents of this application will be grounds for rejection and/or termination of my Association membership and revocation of all benefits resulting there from.

Signature _____ Date _____

Questions?
Contact Teri Hasbrouck
(Membership Services)
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