

# LEONARDO ACADEMY

THE SUSTAINABILITY EXPERTS®

NEWSLETTER

## UPCOMING EVENTS

### FEBRUARY 1-4, 2010

**EUEC Conference, Phoenix, AZ**  
Michael Arny presenting "The Economics of LEED-EB for Single Buildings and Portfolios" and post-conference workshop "Getting Started with LEED-EB"  
[www.euec.com](http://www.euec.com)

### FEBRUARY 19-20, 2010

**Green Energy & Building Expo, Uncasville, CT**  
Leonardo Academy Booth #411  
Michael Arny presenting "Implementing LEED in New and Existing Buildings"  
[www.greenmarineproductions.com](http://www.greenmarineproductions.com)

### MARCH 16-18, 2010

**Building Operating Management's NFMT, Baltimore, MD**  
Michael Arny presenting "Implementing LEED-EB O&M in Multi-Tenant Buildings" and "The Economics of LEED-EB"

### JUNE 27-29, 2010

**BOMA International Conference, Los Angeles, CA**  
Leonardo Academy Booth #947

## UPCOMING WEBINARS

**Integrating LEED-NC & LEED-EB : 1/14, 3/25**

**Driving LEED O&M through Building Portfolios: 1/14, 3/25**

**Reducing Your Company Mercury Footprint: 1/28, 2/25, 4/8, 5/20**

**Checking the LEED-EB Prerequisites off Your List: 1/28, 4/8**

**Emissions Strategy Development – Footprints, Reductions & Offsets: 2/11, 4/22**

**Sustainability – Are You Ready?: 2/11, 4/22**

**Clinton Presidential Library LEED-NC to LEED-EB Case Study: 2/25, 5/20**

**Green Leasing Made Easy: 3/11**

**Economics of LEED-NC & -EB: 3/11**

**TO SIGN UP FOR A WEBINAR VISIT:**

[www.leonardoacademy.org/training/online-training](http://www.leonardoacademy.org/training/online-training)

## Leonardo Academy Says "Wow" About 2009

Two thousand and nine has been very productive year for Leonardo Academy. One of our greatest accomplishments was the launch of our sustainability training program (see more details on page 2). We are now set up to provide sustainability training online as well as on site. Course topics range from organizational sustainability and LEED® for sustainable buildings to emissions inventories and reduction strategies. We plan to grow the training program in 2010, with the goal of becoming one of the primary providers of sustainability training across the USA and around the world.



On the sustainability front, we have been helping the International Monetary Fund (IMF) implement organization-wide sustainability, including LEED® (Leadership in Energy and Environmental Design) implementation support for the IMF buildings. In December, the two IMF headquarters buildings in Washington, D.C. earned LEED®-Existing Building Gold certification. Leonardo Academy staff attended the awards ceremony where the Green Building Certification Institute (GBCI) presented IMF with certification plaques recognizing its achievement.

On the emissions front, Leonardo Academy announced the formation of the committee that will develop an American National Standard for Emissions Inventories, Reduction Credits and Offsets. This standard will address these topics, including how to calculate emissions sequestration credits for preserving existing forests. We also issued a report identifying a new concept "tonne-years" that will help preserve existing forests by facilitating recognition of credits for carbon emissions sequestration in existing forests.

On the outreach front, Leonardo Academy gave presentations on our sustainability work at many national meetings, and one international conference in Singapore.

In other news, Leonardo Academy participated in the U.S. Green Building Council (USGBC) Greenbuild Conference & Expo in Phoenix, Arizona in November. Twenty-seven thousand people attended this major sustainable building conference to learn about LEED® (the most widely recognized green building rating system) and other aspects of sustainability. A major highlight was the keynote address presented by former U.S. Vice President and environmental advocate, Al Gore, followed by a Sheryl Crow concert. Leonardo Academy commends the USGBC, the LEED® rating system and the annual Greenbuild Conference for what they have accomplished as founding drivers for sustainability and green buildings.

Leonardo Academy's Cleaner and Greener® program calculated the emissions generated by this year's Greenbuild conference, as we have done since its inception in 2002. We invited offset providers to make equivalent donations in emission offsets, which helped the conference earn Cleaner and Greener® Gold certification this year. Thank you to the Greenbuild emission offset donors, Milliken and WindCurrent!

Leonardo Academy also held its annual celebration of Sustainability and Existing Buildings at Greenbuild. Thanks to our sponsors Philips Lighting, ABM Industries, Fireman's Fund, Ruud Lighting, JohnsonDiversey, Milliken and the Ashkin Group.

Leonardo Academy has extensive and exciting plans to continue to expand our work on addressing climate change, advancing environmental improvement and overall sustainability in 2010. We invite you to make a year-end, charitable donation to support our sustainability work. A donation envelope is enclosed for your convenience or visit [www.leonardoacademy.org/donate](http://www.leonardoacademy.org/donate).

Best wishes for Happy Holidays.

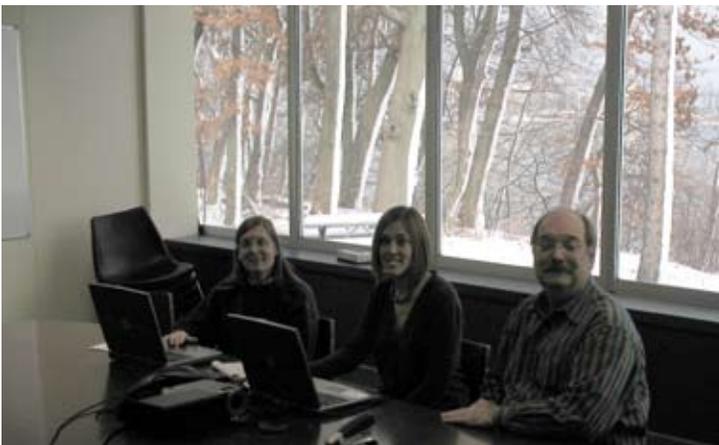
*Michael D. Arny*

## Leonardo Academy's Expanding Sustainability Training Program

Leonardo Academy provides comprehensive green training services and has prepared courses on a wide variety of sustainability topics. Courses are presented in person, by webinar and are also available on demand. Customized training for companies and organizations is also available.

Most of our training courses are approved for continuing education credit by the U.S. Green Building Council and AIA Continuing Education System. Visit our website for more information or to sign up:

[www.leonardoacademy.org/training](http://www.leonardoacademy.org/training)



Leonardo Academy staff conducting a free webinar on sequestration of carbon and forests. From right, Michael Arny, President, Sonia Carlson, Emissions Services Manager, and Barbara McCabe, Sustainability Program Manager

### Training Course List

#### LEED Full Rating System Training (7 hour courses)

- LEED-EB 2.0
- LEED-EB O&M 2008
- LEED-EB O&M 2009
- LEED-CI 2.0
- LEED-CI 2009

#### LEED AP Exam Preparation Training

- Exam preparation training to complement each Full Rating System Training (1 hour)

#### LEED Knowledge Training

- Getting Started with LEED-EB O&M 2009 (3 hrs)
- Checking the LEED-EB Prerequisites Off Your List (1.5 hrs)
- Clinton Presidential Library LEED-NC to LEED-EB Case Study (1.5 hrs)
- Driving LEED-EB O&M Through Building Portfolios (1.5 hrs)
- Green Energy Saving Performance Contracting
- Green Leasing Made Easy (1.5 hrs)
- Integrating LEED-NC & LEED-EB (1.5 hrs)
- Reducing Your Company Mercury Footprint (1.5 hrs)
- The Economics of LEED: LEED for New Construction & LEED for Existing Buildings (1.5 hrs)
- Creating a Low-Mercury Lighting Plan (1 hr)

#### Emissions Training

- Emissions Strategy Development: Footprints, Reductions and Offset (2.0 hrs)

#### Sustainability Training

- Sustainability - Are You Ready? (1.5 hrs)
- Green Energy Saving Performance Contracting
- Green Leasing Made Easy (1.5 hrs)
- Reducing Your Company Mercury Footprint (1.5 hrs)
- Creating a Low-Mercury Lighting Plan (1 hr)

#### Custom Training Courses

Let us know what your company or organization needs!

## Leonardo Academy Programs

### WEBSITE DEVELOPMENTS

Over the last year, Leonardo Academy completely revamped both the organization website and Cleaner and Greener® program website ([www.leonardoacademy.org](http://www.leonardoacademy.org), [www.cleanerandgreener.org](http://www.cleanerandgreener.org)). We also created and launched the WorldGreen website, which is designed to deliver sustainability information, outreach and tools to companies, families and individuals as well as to provide information on sustainability actions and achievements ([www.worldgreen.org](http://www.worldgreen.org)).

### ORGANIZATIONAL SUSTAINABILITY TEAM

Sustainability Program Manager Barb McCabe and the Sustainability Team developed a checklist for the content of annual sustainability reports. This will be posted early next year on Leonardo Academy's WorldGreen website along with reviews of the annual sustainability reports of various companies so consumers can easily see the sustainability achievements of companies they buy products or services from. The annual Leonardo Academy Sustainability survey is currently being updated. Leonardo Academy is also helping the International Monetary Fund in Washington D.C. implement organizational sustainability.

### EMISSIONS TEAM

Emissions Services Manager Sonia Carlson and the Emissions Team issued a report this fall on the preservation of existing forests and credits for carbon emissions sequestration. The report specifically addresses the relationship between tonne years of carbon stored in existing forests and the number of tonne years of carbon dioxide that need to be held in a forest to offset one tonne of carbon dioxide emissions. Working with the Sustainability Standards

Development Team, the Emissions Team is updating the Leonardo Academy draft standard for Emissions Inventories, Reduction Credits and Offsets (see Sustainability Standards Development below for more information).

#### **LEED TEAM**

Director of LEED Services Dirk Mason and the LEED Team have been very busy reviewing LEED certification applications for the USGBC and consulting on how to ally LEED to portfolios of buildings, as well as assisting organizations with LEED assessments, implementation and certification application preparation. A recent example is the LEED implementation support that Leonardo Academy is providing for the International Monetary Fund. The two IMF headquarters buildings in Washington, D.C. achieved LEED-EB Gold certification. Leonardo Academy has now helped implement LEED-EB for 30% of all buildings in Washington D.C. that have earned LEED-EB certification. Work is also being done on updating the Economics of LEED-EB survey.



*From left, Leonardo Academy's Dirk Mason, Kara Edmonson and Michael Army at the IMF Award Ceremony in Washington D.C.*

#### **SUSTAINABILITY INTERN AND FELLOWS PROGRAMS**

Intern and Fellows Program Manager Kara Edmonson led the continued growth of these programs this year.

Interns get a broad sampling of real world sustainability work experience and provide the creative capacity and energy to expand our areas of work and explore new aspects of sustainability. Leonardo Academy is proud to recognize our current academic year sustainability interns, Andrea Bachrach and Chris McKim. They have done outstanding work so far! Andrea and Chris were chosen in August 2009 and will work for Leonardo Academy through May 2010. Leonardo Academy will begin accepting applications for our summer 2010 internships in February.

This year also saw the beginning of our Sustainability Fellowship Program, which is designed to produce more in-depth sustainability projects and research that advance sustainability. We are happy to welcome our first fellow, Carol Arny, who committed to being a fellow for one year. We hope to be able to accept additional fellows in the coming months.

#### **LEONARDO ACADEMY'S LAND MANAGEMENT PROGRAM AND VALLEY RIDGE PRESERVE**

During 2009, the Land Management Program took several steps to enhance the ecological integrity of Leonardo Academy's 145-acre Valley Ridge Preserve. This fall, we completed a timber stand improvement to encourage desirable overstory species and create habitat for wildlife such as grouse, deer, and turkey. We also began working with students at Edgewood College to create activities appropriate for K-12 school groups. Our Sustainability Fellow Carol Arny is focusing her work on the Valley Ridge Preserve. Her project addresses maintenance of the preserve and development of a strategic plan for the ongoing use of the preserve as a sustainability demonstration site and for ongoing sustainability land management research and education. Our Valley Ridge Preserve open house this fall was also a great success! Next year, the Land Management Program will be working toward converting one of the ridge top fields to native prairie species. The long term goal is to restore much of the hill top areas of the preserve to oak savannah.

#### **SUSTAINABILITY STANDARDS DEVELOPMENT**

The Standards Development Team is making steady progress on four ANSI standards development projects. Highlights from this fall include: 1) the launch of the Sustainable Gaming Standard (LEO-8000) Newsletter; 2) preparations to form the standard development committee for the Emissions Inventories, Reduction Credits and Offsets Standard (LEO-5000); 3) preliminary development of a draft framework for social, economic and environmental sustainability criteria for the Sustainable Agriculture Standard (SCS-001) – a historic initiative has the potential to build the economic and social capacity of rural communities, while strengthening those communities to positively impact the environment; and 4) work is proceeding on an environmental declarations standard (SCS-002).



**LEONARDO ACADEMY**  
THE SUSTAINABILITY EXPERTS®

P.O. Box 5425, Madison, WI 53705-0425  
328 E. Lakeside St., Suite 201  
Madison WI 53715

**MAKE A DONATION! VISIT [WWW.LEONARDOACADEMY.ORG/DONATE](http://WWW.LEONARDOACADEMY.ORG/DONATE)**

*Leonardo Academy greatly appreciates you participating in our work by making a charitable contribution. Your tax deductible contributions help support Leonardo Academy's work to improve the environment, increase energy efficiency and promote sustainability. Leonardo Academy Inc. is a charitable 501(c)(3) nonprofit organization. Your contributions are tax deductible to the full extent allowable by law.*

**SEASON'S GREETINGS FROM LEONARDO ACADEMY**



*View of Leonardo Academy's office overlooking Monona Lake, Madison, Wisconsin.*