

SFI weekly newsletter for the week of September 7th, 2009
A weekly service of SFI



SFI NEWS AND ANNOUNCEMENTS

1. Save the date! SFI Banquet and Poster Session, Friday, October 16th (Last week's letter gave wrong date!)
2. Coming soon to Michigan Tech! World Usability Day 2009 is Thursday,
3. 2009 SFI Fall Speaker Series to feature three speakers this semester corrected date
4. SFI member Professor Marty Auer (CEE) talks about Lake Superior holopedium in *Free Press*
5. SFI member Professor Bill Rose (GMES) in Forbes Traveler story, "The World's Deadliest Volcanoes"
6. External Funding Session to learn about budget spreadsheets for proposals Sept 29, 1:00, Ballroom B
7. Tech Gardener Presents Fall Gardening Program, 6:30 p.m., Tuesday, Sept. 15, Portage Lake District Library
8. Parade of Nations: Dancing with Diversity Saturday, Sept. 19. The parade will start at 11 a.m.
9. Room for a few students in EPA's "People, Prosperity, and the Planet (P3) Student Design Competition,"

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NEW RESOURCES

1. Opportunity to Become Power Shift Campaign Coordinator
2. New Issue of Sustainability: The Journal of Record
3. Climate Neutral Campus Report

EVENTS & CONFERENCES

1. Greening of the Campus VIII conference and expo in Indianapolis, Indiana (Sept 20-23)

2. First Upper Midwest Green Schools Conference at Northland College, Ashland, WI October 16 and October 17
3. Green IT Webinar September 10, 2009; 2 – 3pm Eastern; Online
4. Registration Deadline Approaching - Greening of the Campus VIII September 20-23, 2009; Indianapolis, IN
5. Pre-Conf Workshop: How Higher Education Can Lead Restoration

In an effort to increase recognition and enhance SFI's image, we want to include more publicity about SFI member achievements. Please send announcements of your publications, presentations, awards, and names of awarded proposals to Denise Heikinen at dmheikin@mtu.edu.

SFI NEWS AND ANNOUNCEMENTS

1. Save the date! SFI Banquet and Poster Session, Friday, October 16th (Last week's letter gave wrong date!)

This year's SFI Banquet and Poster Session to be held at the Rozsa on October 16th, the day before the big D80 conference. The Banquet will again feature a meal made up of local Copper Country foods (with a little bit of Wisconsin thrown in). Calls for Posters that feature sustainability themes will be going out soon as well. All students are invited to enter a poster. This year three prizes will be awarded. More news on this big event as it becomes available. Contact Denise Heikinen at dmheikin@mtu.edu to RSVP.

2. Coming soon to Michigan Tech! World Usability Day 2009 is Thursday, November 9th.



World Usability Day
Making life easy!

The theme for the 2nd annual World Usability Day in the UP (Wud UP) is Sustainability. There will be a poster session and interactive activities and displays that demonstrate design from Cradle to Cradle. Coming from a user-centric perspective and looking beyond form and function, WUD

UP is exploring the impact design has on our World. The 'Cradle to Cradle' approach is to start the design with the premise of using materials that can fully enter a new life cycle by either going back to nature or going back into the design process as a new product. This holistic approach to sustainable design shows how usability can apply to all of what we do and build. The WUP UP committee is still working on firming up plans. Please send your ideas to Denise Heikinen (dmheikin@mtu.edu). If your sustainability poster entered in the SFI Banquet and Poster Session for October 16th also fits the theme of Sustainable Usability, it can be entered for this event in November as well.

3. 2009 SFI Fall Speaker Series to feature three speakers this semester corrected date

The date for Dan P. Davison's talk was incorrectly listed in last week's newsletter and on the website. His talk, entitled "The Millennium Model Research Foundation: Socio-Economic Model for a Sustainable Future" is on Tuesday November 3rd, at 3:00 in Rekhi Hall GO6. Please mark your calendars. Times and rooms for the other two speakers are now confirmed on the website also.

4. SFI member Professor Marty Auer (CEE) talks about Lake Superior holopedium in Free Press article on Lake Superior www.freep.com/article/20090906/features07/909060350/

5. SFI member Professor Bill Rose (GMES) is quoted in this Forbes Traveler story, "The World's Deadliest Volcanoes" www.forbestraveler.com/adventure/deadly-volcanoes-printstory.html

6. External Funding Session to learn about budget spreadsheets for proposals Sept 29, 1:00, Ballroom B

An educational session entitled "Budgeting 101" will be held from noon to 1 p.m., Tuesday, Sept. 29, in Ballroom B of the Memorial Union. The workshop is about budget spreadsheets used by anyone who is applying for external funding. Register at: <http://www.admin.mtu.edu/research/vpr/registration>.

Desserts and beverages will be provided, but please bring your own lunch.

For additional information contact Kristin Beck of the Sponsored Programs Office at kgbeck@mtu.edu or 487-2226.

7. Tech Gardener Presents Fall Gardening Program, 6:30 p.m., Tuesday, Sept. 15, Portage Lake District Library

Lynn Watson, Tech's head gardener is responsible (along with her student workers) for transforming Michigan Tech's campus from lots of grass and cement to several colorful and sustainable gardens. Lynn will present "Beautiful Bodacious Bulbs Explained (along with their neighbors--tubers, corms, and rhizomes)." She will discuss planting, sizing, dividing and fertilizing for the fall care of garden bulbs. Below-ground mysteries will be revealed as participants learn how to protect and preserve bulbs in order to enjoy midwinter blooming. Participants will have time to ask questions, and there will be examples to see and handouts to take home. Library programs are free and everyone is invited to attend. For more information, call the library at 482-4570 or visit www.pldl.org.

8. Parade of Nations: Dancing with Diversity Saturday, Sept. 19. The parade will start at 11 a.m.

<https://huskymail.mtu.edu/zimbra/?client=advanced#20>

9. Room for a few students in EPA's "People, Prosperity, and the Planet (P3) Student Design Competition,"

The competition will be held on the National Mall in April 2010. Currently the program several civil, environmental, and mechanical engineering students participating, and we would like to round out the team with some (1-3?) social science students in order to conduct a survey of pit latrine users in the developing world. Students may be undergraduate or graduate students.

We would like all students to be involved in the project from now until the competition in April, but their level of involvement and time commitment is negotiable. They may enroll for 6 credits of CE4900/4910, 1-6 credits of Independent Study (perhaps under a social science faculty member), or no credits, simply playing an advisory role for the engineering students.

The primary objective of the current Ventilated Improved Pit (VIP) Toilet Design is to develop guidelines for VIP toilet design that optimizes performance with respect to air flow for vector and odor control, while maintaining (or improving) the cost-effectiveness and social acceptability of the technology.

Role for social science students:



Kim Landick collecting wastewater sample in Bolivia

"In partnership with active Peace Corps volunteers in Michigan Tech's Master's International programs, students will design and conduct surveys of users of household VIP toilets in Africa, the Caribbean, and Central and South America. Survey questions will be designed to determine motives for selection of VIP toilets over other technologies, as well as user satisfaction following adoptions. Various use, operation, and maintenance characteristics will also be determined, and users will have an opportunity to give suggestions for improvement. Feedback will be sought particularly from women and children."

SUSTAINABILITY NEWS

1. Nature and Environment Exhibit set to open at Women's Historical Center

Lansing, MI—The Michigan Women's Historical Center is going green this fall, with a new exhibit entitled "Resourceful Women: 30 Who Worked to Preserve Michigan's Water, Woods, and Wildlife" on display from September 20, 2009 through February 19, 2010.

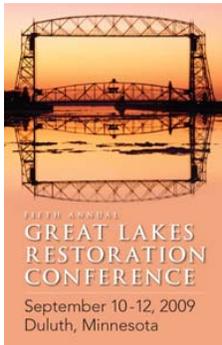
Photographs, biographical sketches, and lesson plans relating to the Hall of Fame honorees may also be viewed online at www.michiganwomenshalloffame.org Contact: Patricia Majher, Assistant Director, Michigan Women's Historical Center pmajher@michiganwomen.org <<mailto:pmajher@michiganwomen.org>>

2. MPSC: Coal Power Plants Not Needed

Michigan Public Service Commission staffers say neither Consumers Energy nor the Wolverine Power Supply Cooperative successfully showed they need to build large new coal-fired power plants in the state.

<http://www.wwj.com/MPSC--Coal-Power-Plants-Not-Needed/5171174> See also ProgressMichigan.org
<http://progressmichigan.org/page/speakout/lansingcandobett>

3. 5th Annual Great Lakes Restoration Conference in Duluth, Minn., Sept. 10-12,



DULUTH, MINN. (Sept. 10)—Environmental, business and civic leaders are gathering at the 5th Annual Great Lakes Restoration Conference in Duluth, Minn., Sept. 10-12, in the final push for Congressional action on a \$475 million Great Lakes restoration initiative—the culmination of a year in which the restoration and protection of the lakes has taken quantum leaps forward.

The Healing Our Waters-Great Lakes Coalition consists of more than 100 environmental, conservation, outdoor recreation organizations, zoos, aquariums and museums representing millions of people, whose common goal is to restore and protect the Great Lakes. For more information, visit: <http://www.healthylakes.org>

FUNDING & AWARD OPPORTUNITIES

To submit research proposals through the Sustainable Futures Institute, add "SFI" to the DEPT/CENTER/INSTITUTE(S) column for identifying the PI's and co-PI's. SFI Director, John Sutherland, will sign the transmittal sheet on page 3. (If John Sutherland is unavailable for signing transmittal sheets, Qiong (Jane) Zhang can also sign for SFI). Submitting proposals under SFI provides wider publicity and recognition for your research as well as a 10% return on your incentive account.

NOTE: Limited Submission List Serve Available for Faculty and Research Staff

If you missed out on the opportunity to sign up, or are new and would like to, please go to the following website, where you will find the list subscription request, as well as the program guidelines and current opportunities:

<http://www.mtu.edu/research/administration/sponsored-programs/proposal-preparation/identification-funding/limited-submission/>

1. Innovative Energy Efficiency and Energy Security Initiatives (CERL-4)--Sponsored by DoD, U.S. Army Corps of Engineers (USACE), Engineering Research and Development Center (ERDC), Construction Engineering Research Laboratory (CERL)
Deadline continuous

Proposals are sought that address the need for improved energy efficiency and improved energy security by federal, state, and private sector energy users. Products/methods/techniques that will improve overall energy efficiency or reduce reliance on nonrenewable energy sources are of interest. These include but are not limited to

- combined heat and power generation;
- fuel cells;
- low Nox boilers/burners;
- natural gas cooling and compressed air;
- storage cooling;
- wind;
- geothermal; and
- solar power generation, and high efficiency heating/ventilating/and air-conditioning systems.

In addition, proposals are also sought for products/methods/techniques that will improve the robustness of energy delivery systems and reduce the risk of loss of energy services due to economic dislocations, depletion of natural resources, natural or man-made disasters, as well as for products/methods/techniques which will facilitate cost effective, reliable, and sustainable utility support to deployed forces in underdeveloped regions of the world.

Proposals are encouraged from **Historically Black Colleges** and Universities or Minority Institutions (HBCUs/MIs) for students to provide research support to any of the research and development areas listed in this BAA.

<http://fundingopps.cos.com/cgi-bin/fo2/getRec?id=75649>

<http://www.mvk.usace.army.mil/contract/other.asp>

2. Natural Resources Stewardship (EL-21) sponsored by Engineering Research and Development Center (ERDC) & Environmental Laboratory (EL), Sponsor United States Department of Defense (DOD), Dept of the Army, U.S. Army Corps of Engineers (USACE)
Deadline Continuous.

Abstracts The Environmental Laboratory (EL) announces research opportunities involving natural resources stewardship. There are three main focus areas in this solicitation: integrated natural resources management, riparian zone management, and tools for natural and cultural resources at multiple scales. There is an additional topic, Natural Resources Inventories (EL 21-1).

<http://www.mvk.usace.army.mil/contract/other.asp>
<http://fundingopps.cos.com/cgi-bin/fo2/getRec?id=28483>

3. ERDC BAA - Open Channel Flow and Sedimentation (CHL-3)

Sponsor United States Department of Defense (DOD), Department of the Army U.S. Army Corps of Engineers (USACE) Engineering Research and Development Center (ERDC), Coastal and Hydraulics Laboratory (CHL)
Deadline Continuous.

Abstracts The Coastal and Hydraulics Laboratory (CHL) announces opportunities for open channel flow and sedimentation research. The Stable Flood Control Channel research project consists of basic studies related to development of hydraulic design guidance for designing modifications to natural stream channels to provide for local flood protection. Emphasis is placed on channel stability as well as channel flow capacity. Proposals are encouraged from Historically Black Colleges and Universities.

Bookmark Url <http://fundingopps.cos.com/cgi-bin/fo2/getRec?id=28394>

URL for more info <http://www.mvk.usace.army.mil/contract/other.asp>

JOBS & POST DOCS & INTERNSHIPS, FELLOWSHIPS, SCOLARSHIPS and CFPs



1.

Deadline: Friday, November 6, 2009

HSU is pleased to announce an opening for a tenure track position for the 2010-11 academic year. The job is a joint position involving teaching duties in the Environmental and Natural Resource Sciences (ENRS, <http://www.humboldt.edu/~enrs/>) Department and research work at the Schatz Energy Research Center (SERC, <http://www.schatzlab.org/>). The position is for candidates with emphasis in areas related to energy policy, technology, and the environment. Candidates with strengths in science, engineering, and/or policy aspects of these areas are encouraged to apply. Applications from candidates with interdisciplinary backgrounds are most welcome. Responsibilities associated with the position will be divided between the ENRS Department's Environmental Science degree program (major) (60%) and the Schatz Energy Research Center (40%). In practice, candidates would be expected to teach three courses per year (or an equivalent teaching load) in the Environmental Science degree program, along with associated advising and committee responsibilities. The balance of the faculty member's time would be devoted to activities at the Schatz Energy Research Center, including the development of a robust research agenda in one or more areas of interest related to energy and the environment. Candidates would also have an opportunity to work with graduate students in the interdisciplinary Energy, Environment, and Society (EES) program (<http://www3.humboldt.edu/engineering/graduate>).

For a person with a background in energy technology, energy policy, and/or climate change, joining and collaborating with the Schatz Energy Research Center is a big plus. The Schatz Center has a twenty year history of groundbreaking work in renewable energy and hydrogen technologies and would welcome a new faculty member. The Center has a staff of approximately 25 people (including associated faculty, permanent staff, and students), has an \$8M endowment, and has attracted substantial funding from federal, state, and business organizations, as well as a number of private foundations. The Center is in the process of building a new 6,600 square foot laboratory and office facility on a picturesque hillside on the HSU campus (the building is scheduled to be finished in the spring of 2010).

Interested candidates should contact the chair of the search committee, Steve Martin (srm1@humboldt.edu), for additional information. Inquiries related to work at the Schatz Energy Research Center can be directed to Arne Jacobson (arne@humboldt.edu).

2. President, Prescott College



Prescott College (AZ) is seeking a president. The successful candidate should have a passion to inspire and support all its stakeholders in preserving and improving environmental

sustainability and social responsibility and should excel in the areas of leadership, communication, fiscal management, short-term and strategic planning, human resources management, and trustee and faculty relationships. The president will be tasked with continuing to build a greener campus, fundraising, and increasing ethnic and national diversity. <http://www.prescott.edu/employment/president.php>

3. Dean, School for Sustainability and the Env, Chatham U

Chatham University (PA) is seeking a founding dean to provide academic and institutional-building leadership for the newly created School for Sustainability and the Environment (SSE). The founding Dean will be the senior academic and administrative officer of the SSE. The successful candidate will be expected to provide vision and leadership, administer and generate support for the SSE's varied programs, build a sense of community within the school, and collaborate with other entities both within and outside the University. Candidates should have a leadership record of success in raising significant funds from a range of sources, demonstrated skill in directing both internal organizational management, and a national level of prominence and track record in development and implementation of educational curriculum. http://www.explorecompany.com/job_sse.htm

4. Safety and Sustainability Coordinator, Frostburg State U

The Frostburg State University (MD) Physical Plant Department seeks applications for a full-time position with responsibilities for Institutional Sustainability and Safety and Risk Management Programs. Responsibilities will include developing, implementing, and administering the University's safety and risk management programs; supporting FSU's commitment to climate neutrality through implementation of the University's Climate Action Plan; and serving as chair of the campus Learning Green, Living Green steering committee. A bachelor's degree in sustainability, environmental management, industrial hygiene, safety, or a related field is required. <http://www.higheredjobs.com/search/details.cfm?JobCode=175389228>

5. Multiple Faculty Positions, Sustainable Energy, U Connecticut

The School of Engineering at the University of Connecticut invites applications and/or nominations for multiple faculty positions that will form an interdisciplinary, integrated team which will conduct research, education, and outreach in the strategic areas of sustainable energy. These areas include, but are not limited to, fuel cells, novel energy conversion, energy storage, advanced batteries, wind energy, solar energy, biofuels, advanced combustion, carbon sequestration, waste-to-energy, biomass conversion, hydrogen production, catalysis, electrochemistry, energy harvesting, power electronics, power systems, and smartgrid technologies. The team will comprise qualified faculty at all ranks. Applicants should have a Ph.D. in engineering or a related physical science discipline by the time of appointment, as well as a demonstrated record of research in sustainable energy and related technologies. Review of applications will begin immediately and will continue until the positions are filled. <http://chronicle.com/jobs/0000607286-01>

6. Academic Specialist, Energy, U California Berkeley

The California Institute for Energy and Environment, University of California, Berkeley is recruiting an Associate or Full Academic Specialist to develop and conduct technical research on energy-related topics such as energy efficiency, demand response, renewable energy, and climate change; organize and conduct meetings and workshops; manage research projects; and review, evaluate and present research results. Research will include, but not be limited to, the evaluation of energy-related technologies, behavior of individuals and organizations,

market effects and market transformation, and barriers to the introduction of energy-efficient technologies. Applicants should hold an MA or PhD in a discipline such as Engineering, Economics, Sociology, Political Science, Geosciences, or Human Ecology or a related field. Other requirements include 2-5 years of experience working in collaborative, energy-related research and a demonstrated ability to conduct independent research. The position will be for one year beginning approximately October 1, 2009, with reappointment contingent upon funding availability at the Associate or Full Academic Specialist level. The deadline to apply is September 12, 2009.

http://uc-ciee.org/jobs/Academic_Specialist_2009.pdf

7. Asst/Assoc Professor, Climate Change Science, Cornell U

Cornell University (NY) seeks an assistant or associate professor in climate change science with a focus on terrestrial biogeochemistry. The appointee will focus on the interaction of climate-related terrestrial surface processes with global environmental change. The position comprises 50% research and 50% teaching responsibilities including the development of an internationally recognized and externally funded research program in Climate Change Science. A Ph.D. in a relevant field is required. Review of applications will begin October 15, 2009, and continue until a suitable candidate is identified. <http://chronicle.com/jobs/0000606603-01>

8. Asst Prof, Env'l Science/Biology, West Virginia Wesleyan College

The Department of Biology and Environmental Science at West Virginia Wesleyan College seeks a broadly trained environmental scientist to help build its environmental science program, teach introductory and upper level biology and environmental science courses, and contribute to a collaborative research program in ecology and systematics, focused on Appalachian watersheds. The successful candidate will be expected to establish an ongoing research program involving undergraduate students in field and laboratory studies focused on the ecology or biodiversity of the local watershed. Teaching responsibilities will include introductory courses in environmental science and biology, and upper-level courses such as Ecosystem Management, Environmental Analysis, and Natural Resource Conservation. A Ph.D. and teaching and research experience relevant to the study of watersheds are preferred. Review of applications will begin on October 1, 2009, and continue until the position is filled.

<http://www.higheredjobs.com/search/details.cfm?JobCode=175388983>

9. STARS Intern, AASHE

AASHE is seeking an intern for its Sustainability Tracking, Assessment & Rating System (STARS). The intern will perform various writing and editing tasks to help supplement the STARS 1.0 Technical Manual and develop corresponding support materials. In performing these tasks, the intern will work closely with the STARS Technical Developer. Desired skills and qualifications include very strong writing and editing skills, attention to detail, self-motivated, and ability to work with limited supervision. For ease of coordination, a very strong preference will be given to candidates located in or near Ann Arbor, Michigan. Review of applications will begin Wednesday, September 23, and will continue until the position is filled. <http://www.aashe.org/highlights/jobs/stars-intern-job>

NEW RESOURCES

1. Opportunity to Become Power Shift Campaign Coordinator

The Energy Action Coalition (EAC) has launched the Power Shift Campaign and is inviting students to sign-up to become campaign coordinators and host campaign kick-off events on their campuses. EAC has created a Campaign Launch HQ website for students and coordinators to find resources and materials related to the event.

See also: Power Shift Campaign Kick-Off HQ <http://power-shift-campaign-kick-off-hq.groups.local-energyactioncoalition.org/en/summary/>

2. New Issue of Sustainability: The Journal of Record



A new issue of Sustainability: The Journal of Record is now available. Volume 2, Number 4 features an editorial entitled "Carbon Neutrality and Athletic Tape," a roundtable discussion on how religious institutions can foster sustainability, an article on sustainable dining, and a sustainability program profile of Colorado State University.

<http://www.liebertonline.com/toc/sus/2/4?cookieSet=1>

3. Climate Neutral Campus Report

The American College & University Presidents' Climate Commitment (ACUPCC) has released Climate Neutral Campus Report, a collection of white papers, case studies, and interviews that address how the higher education sector is fighting the climate crisis. The Report includes ideas on topics ranging from the reorientation of student education to the re-design of campus operations, from the policy reforms that will enable colleges and universities to switch to renewable energy, to the emerging competition for carbon reduction in college sports.

See also: ACUPCC Press Release <http://www.climateneutralcampus.com/>

EVENTS & CONFERENCES



1. Greening of the Campus VIII conference and expo in Indianapolis, Indiana (Sept 20-23)

The Greening of the Campus VIII conference and expo in Indianapolis, Indiana (Sept 20-23) is just around the corner. AASHE and Ball State University are making final preparations and want to be sure you're aware of all the opportunities available. Don't miss this unique event!

http://campaign.constantcontact.com/render?v=0017kyvooomFgQfUh3YK39eQkl4DU_W-tTy7RnUsVRN8UiBYbGllf0NgfOzppDylQVOhkEnsFmEPm6m2qbb3F-x-8oIAZhSuDmdwGn-JrEN4kljOisvYQTZvEVEGFTnmTzXChOSIPZVWihNyN3HjhbixYOug10pBz247

2. First Upper Midwest Green Schools Conference at Northland College, Ashland, WI October 16 and October 17



<http://www.greencharterschools.org/>

3. Green IT Webinar

September 10, 2009; 2 – 3pm Eastern; Online

University Business will offer a webinar entitled "Green IT: Saving Money, Saving the Environment." Attendees will learn about equipment buy-back and "e-cycling" programs that put technology in user hands and keep toxins out of the landfill. Participants will also hear about a data center cooling system that recycles waste heat for electricity and produces a return on investment in just three months.

<http://pe.wimba.com/eventreg/participant/registration.php?eventid=1276>

4. Registration Deadline Approaching - Greening of the Campus VIII

September 20-23, 2009; Indianapolis, IN

Ball State University and AASHE invite registration for Greening of the Campus VIII: Embracing Change. Keynote speakers include Frances Moore Lappé, author of *Diet for a Small Planet*; Ray Anderson, founder, chairman, and chief operating officer of Interface, Inc.; Geoffrey Chase, Dean of Undergraduate Studies at San Diego State University (CA); and Jerome Ringo, President of the Apollo Alliance. Other conference features include pre-, post-, and in-conference workshops; a two-day tradeshow focused on environmentally sustainable and socially responsible products and services; plenary panels, forums, and posters; field trips; and a networking reception with the co-located Labs 21 conference. Registration ends September 14, 2009. Discounts are available for students and AASHE members. <http://www.bsu.edu/greening>

5. Pre-Conf Workshop: How Higher Education Can Lead Restoration

October 15, 2009; 9am – 5pm Pacific; San Francisco, CA

Second Nature, AASHE, and the California Student Sustainability Coalition will host "Education for Action in the Age of Climate Change: How Higher Education Can Lead Restoration In and Out of the Classroom," a pre-conference workshop at Bioneers 2009. The workshop, which is designed for students, faculty, staff, administrators, and the

general public, will challenge participants to rethink the purpose of formal education related to solving the complex problems we face, while demonstrating breakthrough examples of leadership and successful innovations. Keynote speakers include David Orr, leading environmental educator and Bioneers board member; Dr. Anthony Cortese, founder and President of Second Nature; and Julian Keniry, Senior Director of Campus and Community Leadership for the National Wildlife Federation. <http://www.bioneers.org/conference/sessions-events/how-higher-education-can-lead-restoration-in-and-out-of-the-classroom>