



UPCOMING MEETINGS

SURF 23 – July 23-25, 2013

University of Illinois at Chicago
Chicago, Illinois

SURF 24 – November 5-6, 2013

Rice University, Houston, Texas

Details about SURF 23 are available at www.sustainableremediation.org/bulletin-board/. Registration will be available on the SURF website soon! www.sustainableremediation.org

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SURF REPORT – SPRING 2013

SURF PARTICIPATION IN AMERICANA 2013

SURF had the pleasure of participating in AMERICANA 2013, an international environmental conference in Montreal. The three-day (March 19-21) international conference and trade show addressed sustainable development issues, with more than 10,000 professionals attending from the environmental industry, 350 exhibitors, and 200 technical presentations by presenters from 50 countries.

On March 21st, SURF Canada moderated a one-day sustainable remediation session. The comprehensive session consisted of a survey of SURF's achievements worldwide, a summary of sustainable remediation methodologies and tools, and case studies. The full-day conference session was divided into three sections that flowed and built upon each other. The first section focused on achievements from organizations in the field of sustainable remediation. The second section presented methodologies and evaluation tools, and case studies comprised the third section.

The audience represented a broad mix of regulators and consultants, primarily from Canada and Europe. The format and content was engaging, encouraging many audience questions and discussions after each presentation. Notably, a lively discussion occurred about the definition of sustainable remediation and how sustainability concepts can be integrated into remediation projects. Regulatory community participants commented and asked questions about the difficulties some agencies have in understanding sustainable remediation and how to integrate it within their regulatory framework. **Continued on page 3**

 **Did you know that SURF is on LinkedIn?**



LinkedIn members: Search for "sustainable remediation forum" in Groups to join SURF's discussion group on the LinkedIn professional networking site (www.linkedin.com). **Look for the SURF logo!**



COMMITTEE CHAIRS

Contact chairs for volunteer opportunities!

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kholland@haleyaldrich.com

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ABOUT SURF

SURF was initiated in late 2006 to promote the use of sustainable practices during remedial action activities with the objective of balancing economic viability, conservation of natural resources and biodiversity, and the enhancement of the quality of life in surrounding communities.

The mission of SURF is to maximize the overall environmental, societal, and economic benefits from the site cleanup process by:

- Advancing the science and application of sustainable remediation
- Developing best practices
- Exchanging professional knowledge
- Providing education and outreach

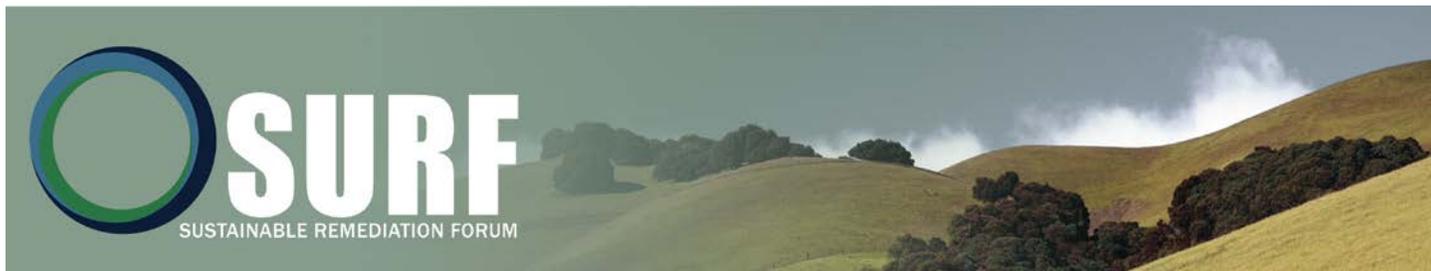
Greetings from SURF! The *SURF Report* is published quarterly by the SURF Communications and Outreach Committee to highlight SURF's activities and opportunities and developments in the field of sustainable remediation.

The SURF website, www.sustainableremediation.org, continues to be the primary resource for sharing the latest and greatest news about SURF and sustainable remediation. Our "Links to Resources" page provides a one-stop shop for resources, tools, information, and documents. The calendar shows remediation, sustainability, and related conferences, as well as deadlines for submitting abstracts. Suggestions for additions and improvements are welcome by using the "Contact SURF" form on the website or by e-mailing administrator@sustainableremediation.org.

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SURF Canada did a great job preparing and hosting the session. The presentations explained the theory and practice of sustainable remediation and showed the value of sustainable remediation at real-world sites. The conference was a progressive step forward in promoting sustainable remediation in Canada, Europe, and beyond.

Contributed by SURF Trustee Buddy Bealer

NEXT SURF MEETING – SURF 23

Join us for SURF 23, July 23-25, 2013 at the University of Illinois at Chicago in Chicago, Illinois. The meeting will focus on “Social Perspectives in Sustainable Remediation.”

Details about the meeting are available on the SURF website at www.sustainableremediation.org/bulletin-board/. Look for meeting and registration information via e-mail soon! Hope to see you there!

STUDENT CHAPTER UPDATES

SURF student chapters have been established at the following six universities across the United States: Clarkson University, Colorado School of Mines, Colorado State University (CSU), University of Illinois at Chicago (UIC), Stanford University, and Syracuse University. Members of these chapters have participated in and presented at recent SURF meetings, as well as help organize meetings at their universities. SURF appreciates the contributions of its student members and continues to support the growth of these chapters and the advancement of sustainable remediation education in the academic environment.

This issue features updates on the activities of SURF’s UIC and CSU student chapters. Other student chapter members that would like to share recent chapter

accomplishments in future newsletters should e-mail submissions to the SURF Newsletter Editor at newsletter@sustainableremediation.org.

UIC Student Chapter Update

In November 2012, a SURF student chapter was established at UIC. The chapter is headed by Yamini Sadasivam (President), Erin Yargicoglu (Vice President), and Professor Krishna Reddy (Academic Advisor).

A workshop was held in December 2012 to showcase several graduate-level sustainable engineering design projects by civil engineering students.

Since then, the chapter has hosted several seminars with distinguished speakers presenting a range of topics related to sustainability and environmental remediation. Dr. Stefan Green (Director, DNA Sequencing Facility) spoke about the use of molecular diagnostic tools in environmental engineering and provided the students with an overview of their application in the remediation field through case studies. Dr. Ning Ai (Assistant Professor, Department of Urban Planning and Policy at UIC) discussed proactive waste management in urban sustainability, and Dr. David Wise (Professor, Biological Sciences Department at UIC) discussed an ongoing, collaborative research project (“100 Sites for 100 Years”) that examines both the effects of different management strategies on biodiversity and ecological functioning and how results from these studies can inform future urban restoration efforts.

Contributed by Yamini Sadasivam

CSU Student Chapter Update

The SURF student chapter at CSU has been keeping busy with field trips, presentations, discussions, and film

Continued on page 4



CSU CHAPTER UPDATE, Continued from page 3

screenings pertaining to an array of remediation methods and activities. The New Year started with a presentation by Dr. Susan DeLong (Department of Civil and Environmental Engineering at CSU) on thermally enhanced biological treatment of petroleum hydrocarbons. Another presentation by a local professional, John Claypool (AECOM), addressed the many tools for calculating sustainability metrics at contaminated sites. In addition, a chapter member led a discussion on the current state of energy resources, focusing on the driving forces of the natural gas market and how it affects the movement toward sustainability.

Student chapter members also toured the City of Fort Collins Utilities, which included an overview of innovative stormwater management techniques. Most recently, members assisted the Clean Energy Supercluster at CSU with a film screening of the documentary *Switch*. The film provided a deeper look into the process, mechanics, and economics of current and future state of energy resources. The last meeting of the academic year will include a sustainability tour of the wastewater treatment plant at the New Belgium Brewing Company, an environmentally conscious company that promotes sustainability and innovation. If you want updates on current chapter activities, “like” SURF Colorado State University on Facebook or e-mail surf.csu@gmail.com.

Contributed by Rachael McSpadden

WANT TO START A STUDENT CHAPTER?

The basic requirements for establishing a SURF student chapter are not complex. The proposed chapter must consist of, at a minimum, a faculty advisor and at least five student members, all of whom are members of SURF. In addition, the proposed chapter must qualify as

a recognized student organization at the parent academic institution or meet a few requirements if the academic institution does not recognize student groups. Guidance on starting a student chapter, details on the requirements, and a sample constitution is available through a link on the SURF website at www.sustainableremediation.org/membership/.

SPECIAL THANKS

The successful development of SURF’s student chapter program is due in large part to the leadership of Dan Watts. Dan is one of the founding members of SURF and, as a chair of the Membership Committee, helped lay the framework for today’s flourishing student chapters. SURF and its members are extremely grateful to Dan for his dedication and leadership over the years.

SURFers “STOKED” FOR CONFERENCE

Battelle’s *Second International Symposium on Bioremediation and Sustainable Environmental Technologies* will be held June 10-13, 2013 in Jacksonville, Florida. The conference program is composed of 500 platform and poster presentations and three panel discussions in 47 sessions conducted in six concurrent tracks. SURF members are actively participating in the event as members of the Conference Steering Committee and as speakers and session chairs in the Green and Sustainable Remediation (GSR) track. The GSR track features the following topics:

- Integration of GSR Benefits into Organizational Goals
 - International Perspectives/Applications of Sustainable Remediation: Regulatory Advances and Field Application
- Continued on page 5**



CONFERENCE, Continued from page 4

- Using Footprint Analysis Results to Improve Sustainability
- Estimating Remediation Impacts: Tools and Approaches
- Incorporating GSR into Remedy Selection
- Environmental and Social Impacts from Biofuels and Other Biology-Based Alternative Energy Sources

These sessions will provide an excellent opportunity to exchange knowledge and approaches that can be integrated throughout the remediation life cycle. SURF appreciates the efforts and contributions of its members to this world-class event.

REGULATORS: INTERESTED?

Are you a regulator or government employee who is:

- Interested in presenting or preparing a poster for a SURF meeting?
- Interested in an in-house workshop to learn more about sustainable remediation initiatives, tools, and resources?

If so, contact Buddy Bealer (leroy.bealer@shell.com) to learn more.

Note: SURF meeting registration fees are waived for all invited meeting contributors.

WEB EXCLUSIVE!

Check this section of our newsletter for updates on the myriad of resources available on the SURF website!
www.sustainableremediation.org

SURF members are encouraged to participate in the organization's technical initiatives. SURF's "6-panel" charts describe the objectives and goals of each

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initiative, committee, and working group. These charts are a quick, easy way for members to see what a committee is doing and figure out how they can help. (Current volunteer opportunities are listed in "Other News and Announcements" on page 6). To access the "6-panel" charts, log into the website under "Member Login," click "Member Resources," and "Collaboration Area." The charts are filed in the appropriate folder for each committee, working group, or student chapter and are updated regularly.

As always, the SURF website hosts a variety of resources available to the public. Follow the links on the left hand side of the home page to find the following:

- Library
Download SURF guidance documents and issue papers and view past meeting minutes and the *SURF Report*.
- News
Discover current events related to sustainable remediation and other related topics. Subscribe to receive SURF News in your RSS feed.



OTHER NEWS & ANNOUNCEMENTS

SURF is seeking volunteers for the committees and technical initiatives listed below. If interested, contact the following members:

- Membership Committee
jake.torrens@sustainableremediation.org
- Finance Committee
treasurer@sustainableremediation.org
- Student Chapters Committee
rick.wice@sustainableremediation.org
- Case Study Initiative
buddy.bealer@sustainableremediation.org
- Research Initiative
stew.abrams@sustainableremediation.org

EVENTS AND CONFERENCES

Second International Symposium on Bioremediation and Sustainable Environmental Technologies – June 10-13, 2013 – Jacksonville, Florida

The *Second International Bioremediation and Sustainable Environmental Technologies Symposium* will be held June 10-13, 2013, at the Hyatt Regency Riverfront in Jacksonville, Florida. The Bioremediation and Sustainable Environmental Technologies Symposium incorporates topics beyond those addressed by the In-Situ and On-Site Bioremediation Symposium, held biennially from 1991 through 2009. The revised symposium name and scope reflect the maturity of bioremediation and the new directions occurring in environmental remediation research and application. Bioremediation continues to be a core area for the symposium, but the scope also encompasses the use of biological technologies and strategies to assess

risks to human and ecological health and support the development of sustainable practices. Additional information about the conference is available at <http://conferences.battelle.org/bioremediation/>.

Air & Waste Management Association 106th Annual Conference and Exhibition – June 25-29, 2013 – Chicago, Illinois

The Air & Waste Management Association's annual conference will be held June 25-29, 2013, at the Hyatt Regency Chicago in Chicago, Illinois. The theme for this year's conference is "Towards Sustainability" and, as such, the conference will focus on the development of business-oriented, sustainable solutions to environmental issues. The 42nd Annual Critical Review will analyze some of the key strategies in developing and promoting science and policy with sustainability benefits. Additional information about the conference is available at <http://ace2013.awma.org/>.

29th Annual International Conference on Soils, Sediments, Water, and Energy – October 21-24, 2013 – Amherst, Massachusetts

The 29th Annual International Conference on Soils, Sediments, Water, and Energy will be held October 21-24, 2013, at the University of Massachusetts in Amherst, Massachusetts. A Sustainable Remediation session will be included as part of the conference, and abstracts for this session (only) will be accepted through May 2013 (despite the "official" February 8, 2013 deadline posted on the website). For more information about the sustainable remediation session or to submit an abstract for the session, contact SURF member Mike Miller at millerme@cdmsmith.com. Additional information about the conference is available at <http://www.aehsfoundation.org/east-coast-conference.aspx>.



NEWSLETTER SUBMITTALS

The deadline for article submission is the 15th of March, June, September, and December for the following quarterly issue. Contact the Newsletter Editor by e-mail (see below) for submittal. Please note that submittals are subject to editing for space considerations.

Amanda McNally,
newsletter@sustainableremediation.org

Address Changes

Please submit to the SURF Secretary at secretary@sustainableremediation.org.

Circulation

The *SURF Report* is circulated to about 500 individuals directly and is posted online at www.sustainableremediation.org.

Sponsorship

Sponsorship is a great way to demonstrate to your communities, clients, employees, or shareholders that you are committed to advancing the science and application of sustainable remediation.

As an appreciation for sponsorship:

- Your company or organization will receive complimentary SURF memberships and meeting registrations
- Your company's or organization's name will be displayed on the SURF website and be hyperlinked to your webpage
- Your company's or organization's name will be displayed in the SURF newsletter and announced during SURF events
- Your company or organization may use the SURF sponsor logo

To inquire about sponsorship, contact membership@sustainableremediation.org.

SURF MEMBERSHIP

Join SURF or Renew your Membership TODAY!

The practice of sustainable remediation is gathering world-wide momentum, and SURF is a rapidly growing and influential organization. By joining SURF, you establish partnerships and build relationships with a wide variety of stakeholders: industry and agency peers, customers, clients, members of academia, technology vendors, and the public. You'll have access to members who are helping to shape green and sustainable remediation guidance and assessment tools, academics and their research on innovative remediation technologies, and discussions about the state of the practice and lessons learned. The SURF website, meetings, and communications provide a clearinghouse and source for the latest information about policy, case studies, best practices, and educational opportunities.

SURF is engaged in several exciting technical initiatives, including writing an international sustainable remediation white paper, establishing a research function focused on sustainable remediation, and evaluating and focusing on increasing the appropriate reuse of treated and untreated water produced during remediation projects.

The benefits of SURF membership are many, but simply put, you will improve your understanding of sustainable remediation, network with hundreds of other professionals, enhance your career opportunities, and have fun doing so.

SURF has several membership levels based on an individual's qualifications: Regular Member (dues are \$150 annually), Government Member (dues are \$100 annually), Academic Member (dues are \$100 annually), and Student Member (dues are \$25 annually).

The term for all classes of members is February 1 through January 31 of the following year.

Learn more and apply for membership at www.sustainableremediation.org/membership.

~ Registration renewals received after October 1st apply to next year! ~