

April 2013
Monthly Update for the Green Chemistry in Education Network
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Thank you for your submissions. Please remember to send me your position announcements so that we can post them on the Green Chemistry Education Network website (<http://cmetim.ning.com/>).

You can invite others to join this list by forwarding this email with the following instructions: To subscribe, please send an email request to jhaack@uoregon.edu with the subject heading "subscribe green chemistry." As always, please let me know if you would like to be removed from the list.

Quick Summary

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- Berkeley Center for Green Chemistry Newsletter

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TIME SENSITIVE

Space is limited – Webinar – The Missing Element: Green Chemistry for the Next Generation Science Standards

Join us for the webinar The Missing Element: Green Chemistry for the Next Generation Science Standards on Wednesday, May 8, 2013, from 6:30 PM - 7:30 PM EDT. You can reserve your seat now at <https://www1.gotomeeting.com/register/307908344>.

This webinar is the first event in a series of green chemistry events aimed at K-12 science teachers, to be hosted by the Grand Valley State University (GVSU) Chemistry Department, the Regional Math and Science Center, and the Michigan Green Chemistry Clearinghouse.

The series, entitled Put the Green in K-12 MI Science Standards, will focus on helping K-12 teachers produce lesson plans and activities that integrate green chemistry and sustainability teaching and learning in their classrooms, according to the new Michigan science standards.

General objectives of these sessions will be to increase awareness in K-12 education about green and sustainable chemistry, form communities of teachers who are interested in green chemistry, and encourage collaboration to develop green chemistry curriculum. Included will be discussions on how Green Chemistry concepts relate to the Next Generation Science Standards (pending adoption).

Presenters Include:

Dalila Kovacs (Associate professor of Chemistry, Grand Valley State University)

Andy Lantz (Assistant Professor of Chemistry, Grand Valley State University)

Clinton S. Boyd (Technical Director, Michigan Green Chemistry Clearinghouse)

April 30, 2013 - Last Chance: 2013 Presidential Green Chemistry Challenge Awards

Reminder: Now is the time to submit your nomination(s) for the 2013 Presidential Green Chemistry Challenge Awards. Nominations are due April 30. Please visit EPA's website at <http://www.epa.gov/greenchemistry> for details. Questions? Please email EPA's Green Chemistry Program at Greenchemistry@epa.gov

April 30, 2013 - Early Bird Registration for the 17th Annual Green Chemistry & Engineering Conference

Explore green chemistry and engineering advancements that will help us meet the challenges of the 21st century and design for a sustainable future during the ACS Green Chemistry Institute®'s annual conference in the Washington, DC metro region on June 18-20, 2013. If you register by April 30th, you can take advantage of our advanced registration discount.

Registration: http://gcande.org/registration/?cid=newsletter_julie_haack_4_13

Attending the GC&E Conference gives you access to over 20 technical sessions, outstanding daily keynote speakers, opportunities to network with 500+ professional colleagues, ability to spend more than 30 hours with industry colleagues, special events such as the opening reception and career workshop. Technical sessions:

http://gcande.org/program/?cid=newsletter_julie_haack_4_13

To take advantage of discounted advanced registration and special hotel reservation rates, register now. Student discounts available.

May 15, 2013 – Abstract Deadline - 3rd Annual ACS GCI Industrial Roundtable Poster Reception

Introduce your greener technology directly to an industry audience that wants it at the 3rd Annual ACS GCI Roundtable Poster Reception on the evening of June 19th, 2013. Authors are invited to submit an abstract <http://abstracts.acs.org> for this event by May 15, 2013. Poster space is limited, so submit now! The reception is co-located with the 17th Annual Green Chemistry & Engineering Conference in North Bethesda, Maryland, USA. Advanced registration is required.

June 14, 2013 – Call for Presentations Deadline - 2013 Michigan Green Chemistry and Engineering Conference

2013 Michigan Green Chemistry and Engineering Conference: Designing a Sustainable Michigan October 23-24, 2013 at the Eberhard Center, Grand Valley State University, Grand Rapids, MI

Website: http://www.michigan.gov/deq/0,4561,7-135-3308_3333-274602--,00.html

NEWS

ProChemTech is a Finalist for the Shale Gas Innovation Contest

The Shale Gas Innovation & Commercialization Center is recognizing ProChemTech as one of the finalists from this year's Innovation Contest. ProChemTech is being recognized for the development of an electrolytic bromine generator technology to generate biocide on site for use in the fracking process. Current biocides used to control the growth of microorganisms during Marcellus hydrofracture procedures can contaminate aquifers and surface waters. ElectroBrom was developed as a safe, cost effective means for making an aqueous electrolytic bromine solution at the point of use from a harmless aqueous mixed salt solution. The produced solution is used to control growth of microorganisms. The finalist presentations and awards ceremony for the Shale Gas Innovation contest will be held on Tuesday, May 7th at the Hilton Garden Inn in Southpointe, PA. For more information visit: <http://www.sgicc.org/75000-shale-gas-innovation-contest.html>

Colin Raston takes up South Australian Premier's Professorial Research Fellowship in Clean Technology

Colin Raston recently moved from The University of Western Australia (UWA) to Flinders University of South Australia, in taking up a South Australian Premier's Professorial Research Fellowship in Clean Technology, while continuing his Australian Professorial Fellowship from the Australian Research Council. Colin was heavily involved in setting up the Centre for Green Chemistry at Monash University and the Centre for Strategic Nano-Fabrication at UWA, incorporating green chemistry into nano-science and nanotechnology. The new challenge at Flinders University is establishing a major focus in clean technology, fostering links with industry and the wider community.

Julie Beth Zimmerman is named the Donna L. Dubinsky Associate Professor of Environmental Engineering

Professor Zimmerman holds appointments in the School of Engineering and Applied Science and the School of Forestry and Environmental Studies at Yale University, and is the Associate Director of the Yale Center for Green Chemistry & Green Engineering. Professor Zimmerman is a leading expert in the field of Green Chemistry and Green Engineering, her research has a specific emphasis on green downstream processing and life cycle assessment of algal biomass for fuels and value-added chemicals as well as novel biobased sorbents for purification of drinking water and remediation of industrial wastewater. Link:

<http://news.yale.edu/2013/04/08/julie-beth-zimmerman-named-inaugural-donna-l-dubinsky-endowed-post>

Lindsay Soh of Yale University has been selected to receive the Kenneth G. Hancock Memorial Award for 2013

Lindsay is a PhD candidate in Environmental Engineering and a member of the Center for Green Chemistry & Green Engineering at Yale University. Lindsay's research focus is on One-pot extraction and transesterification of algal lipids and Informed algal growth and processing for efficient biofuel production

Green Chemistry & Engineering Student Workshop – June 17, 2013

Students registered for the GC&E Conference can take advantage a Green Chemistry & Engineering Workshop on Monday June 17, 2013. The workshop, led by Dr. David Constable, ACS Green Chemistry Institute® Director and Dr. Rich Williams, Founder and President of Environmental Science & Green Chemistry Consulting, LLC is designed to provide an integrated, fast-paced, hands-on learning experience leading to a better understanding of the principles of Green Chemistry and Engineering. The workshop is free for students registered for the GC&E Conference. For more information: http://gcande.org/students/green-chemistry-engineering-student-workshop/?cid=newsletter_julie_haack_4_13

2nd Annual Green Chemistry & Engineering Business Plan Workshop

For innovators in green chemistry, being new and small makes it difficult to raise the capital you need to get to the top. Enter the VC community: Financiers ready and willing to take the journey with you by providing start-up costs and seed funding for promising new green chemistry ventures. At the upcoming Green Chemistry & Engineering Conference, join us for a one-day program geared towards facilitating new entrepreneurs' understanding of best practices and trends. Find out more and get started on your journey to market leadership!

http://gcande.org/green-business-plan-workshop/?cid=newsletter_julie_haack_4_13

Yale Workshop on Molecular Design

The Center for Green Chemistry & Green Engineering at Yale will be hosting an NSF-sponsored workshop in June on *Molecular Design of Commercial Chemicals for Minimal Unintended Biological Activity*. The workshop will focus on identifying the scientific advances that are needed for development of practical computational tools and teachable design guidelines based on molecular properties. The ultimate goal is to facilitate consideration of toxicological hazard as a routine design criterion for new molecules. The results of the workshop will be made public in late summer.

New book on Green Chemistry and Engineering Published

Innovation in Green Chemistry and Green Engineering: Selected Entries from the Encyclopedia of Sustainability Science and Technology has recently been published by Springer, edited by Paul Anastas and Julie Zimmerman of Yale University.

Green chemistry science outreach in blog form!

Sustainable-Nano.com (<http://sustainable-nano.com/>) is a blog written for a general audience by scientists at the Center for Sustainable Nanotechnology (<http://susnano.chem.wisc.edu/>). The goal of this multi-institution center is to develop a molecular-scale understanding of the nano-bio interface in order to facilitate the development of nanotechnology in a sustainable manner.

Sustainable-Nano.com welcomes new readers, guest authors, or collaborators of almost any kind. Please get in touch! Contact: Lee Bishop (lbishop@chem.wisc.edu).

CONNECTIONS

Kenneth O'Connor, Assistant Professor at Marshall University is looking for educators interested in collaborating on the development of a green chemistry hydrogenation experiment. If you are interested in this project please contact him by email: occonnor9@marshall.edu
Faculty website: <http://science.marshall.edu/occonnor9/>

CONFERENCES/EVENTS

May 1-2, 2013 (Sarnia, ON, Canada)

Workshop: Biomass to Biofuels and Bio-chemicals
Holiday Inn and Conference Centre, Sarnia ON, May 1, 2013
Website: <http://www.canbio.ca/>

May 8-10, 2013 (New Brunswick, New Jersey, USA)

Green Chemistry and Commerce Council 8th Annual Innovators Roundtable
Website: <http://www.greenchemistryandcommerce.org/events/upcoming.php>

NEW - May 12-16, 2013 (Washington, DC, USA)

Cleantech – Green Materials and Chemistry
Website:
http://www.techconnectworld.com/Cleantech2013/sym/green_chemistry_materials.html

NEW - May 12-16, 2013 (Washington, DC, USA)

Microtech - Green Electronics Symposium
Website: http://www.techconnectworld.com/Microtech2013/sym/green_electronics.html

NEW - May 20-23, 2013 (Safety Harbor, Florida, USA)

Sustainable Polymers
Website: <http://polyacs.net/workshops/13sustainable/home.htm>

NEW – May 21 - 24th, 2013 (La Rochelle, France)

2nd International Symposium on Green Chemistry - Renewable carbon and Eco-Efficient Processes

Website: <http://www.isgc2013.com/home2>

NEW - June 5-7, 2013 (Montréal, Canada)

Sustainable Chemistry Summit

Website: <http://www.greencentrecanada.com/summit/index.html>

NEW - June 5-6, 2013 (MOC, Munich, Germany)

Green Chemistry & Engineering Workshops at Chemspec Europe

Website: <http://www.chemspecevents.com/europe/conference/gc>

NEW - June 17-19, 2013 (Kyiv, Ukraine)

8th International Green Energy Conference

Website: <http://igec8.ies.nau.edu.ua/>

June 18-20, 2013 (North Bethesda, MD, USA -Washington, DC area)

17th Annual Green Chemistry and Engineering Conference

Website: <http://gcande.org/>

August 3-7, 2013 (Nottingham, United Kingdom)

6th International Conference on Green and Sustainable Chemistry

Website: <http://www.nottingham.ac.uk/GSC-6>

September 3-5, 2013 (New Forest, United Kingdom)

2nd International Conference on Sustainable Chemistry

Website: <http://www.wessex.ac.uk/13-conferences/sustainable-chemistry-2013.html>

NEW - September 3-5, 2013 (New Forest, United Kingdom)

Sustainable Chemistry 2013

Website: <http://www.wessex.ac.uk/13-conferences/sustainable-chemistry-2013.html>

NEW - September 18-20, 2013 (Brussels, Belgium)

Sustainable Chemistry Summit – Europe 2013

Website: <http://www.si-europe.com/conferences-training/SCS2013>

NEW - October 13-15, 2013 (Budapest, Hungary)

1st EuCheMS Congress on Green and Sustainable Chemistry

Website: <http://www.1eugsc.mke.org.hu/>

NEW – October 23-24, 2013 (Grand Valley State University, Grand Rapids, Michigan, USA)

Michigan Green Chemistry and Engineering Conference-Designing a Sustainable Michigan

Website: http://www.michigan.gov/deq/0,4561,7-135-3308_3333-274602--,00.html

NEW - November 5-7, 2013 (Barcelona, Spain)

10th Green Chemistry Conference - Economic Growth and Sustainability through Green Chemistry

Website: <http://www.iuct.net/>

December 4-6, 2013 (Mumbai, India)

3rd Industrial Green Chemistry World (IGCW) - Profitability from Industrial Green Chemistry and

Engineering

Website: <http://www.industrialgreenchem.com/index.html>

GREEN CHEMISTRY NEWS AND INFORMATION

The Green Chemistry & Commerce Council Quarterly e-Newsletter

URL: <http://www.greenchemistryandcommerce.org/newsletters.php>

From their website: "A publication of the Lowell Center for Sustainable Production at the University of Massachusetts Lowell. Each issue of the newsletter provides current information about upcoming and ongoing GC3 activities, and news about green chemistry and design for environment."

News from ACS GCI: Nexus Newsletter

URL:

http://portal.acs.org/portal/acs/corg/content?nfpb=true&pageLabel=PP_SUPERARTICLE&node_id=445&use_sec=false&sec_url_var=region1&uuid=5fb3bd22-8078-4ad0-aaa7-b20478fdec7c

The Nexus e-newsletter is published monthly by ACS GCI and is dedicated to connecting and expanding the global green chemistry and engineering community.

Advancing Green Chemistry

URL: <http://advancinggreenchemistry.org/>

From their website: "Our mission is to promote the development and adoption of Green Chemistry. Green Chemistry is the scientific foundation of greener products, a sustainable economy, and healthier people. AGC's role is to strengthen and promote the science and its practitioners, to link to strategic partners, and to highlight emerging opportunities for stakeholders. In short, AGC seeks to tip the balance in favor of broad support for – and wide adoption of – Green Chemistry."

Berkeley Center for Green Chemistry Newsletter

URL: <http://bcgc.berkeley.edu/bcgc-newsletter>

Green Centre Canada

URL: <http://www.greencentrecanada.com/news/>

From their website: "At GreenCentre Canada, we take a "hands on" approach to commercializing emerging Green Chemistry innovations originating from academia and industry. Our job is to transform these breakthroughs into green products, services, and industries to enhance our quality of life and preserve our environment for existing and future generations."

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