



The Durham Engineers Club Cordially Invites You
to our May 23, 2013 Meeting
Featuring our 2013 Scholarship Recipients
and our guest speaker
Claudia K. Gunsch, Ph.D

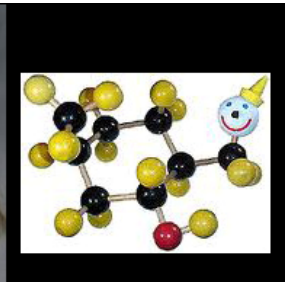
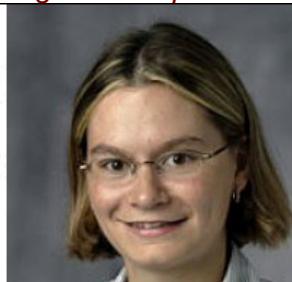
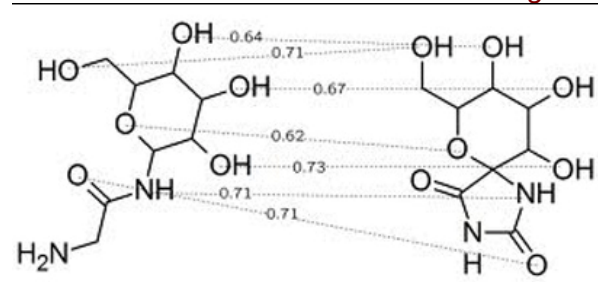
<http://www.cee.duke.edu/faculty/claudia-gunsch>

Associate Professor in the
Department of Civil and Environmental Engineering
Duke University

Her presentation will be about ...

Emerging Issues in Environmental Engineering
[Register Now!](#)

You can now prepay with a credit card or PayPal account as you register!
This meeting will begin at 6:00pm.



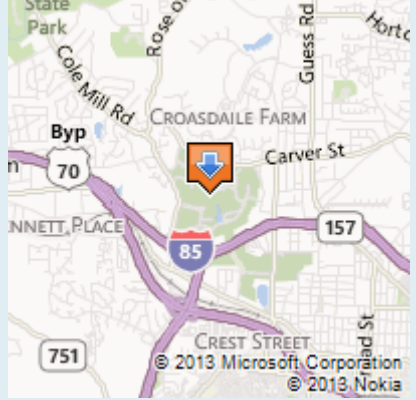
When
Thursday May 23, 2013 from
6:00 PM to 8:30 PM EDT
[Add to Calendar](#)

Dear Fellow Professional :

Please consider our special invitation to attend our regular monthly meeting Thursday, May 23rd from 6:00 to 8:30 pm. During this meeting we will announce and recognize our 2013 scholarship recipients.

Where
Croasdaile Country Club
3800 Farm Gate Avenue
Durham, NC 27705

Our guest speaker Claudia Gunsch is an Associate Professor in the department of Civil and Environmental Engineering at Duke University. She began her academic career at Purdue University where she earned her B.S. in Civil Engineering in 1998. She then matriculated to Clemson University where she earned her M.S. in 2000 and immediately entered the doctoral program at the University of Texas at Austin. After obtaining her PhD, she joined the Duke Faculty in August 2004.



Dr. Gunsch's research bridges environmental engineering and molecular biotechnology. Her current research projects focus on investigating the impacts of emerging contaminants on biological treatment processes, developing genetic bioaugmentation technologies for improving the bioremediation efficacy of recalcitrant contaminants, studying microbial evolution following exposure to anthropogenic contaminants

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Dr. Gunsch's is the recipient of the 2009 National Science Foundation Faculty Early Career Development Award. She is a member of the Editorial Board for Industrial Biotechnology and also serves as an Associate Editor for the journal Biodegradation.

New chemicals are developed on a daily basis for a variety of applications ranging from industrial, medical or even broader consumer usage. In many cases, their non-intended consequences are not evaluated ahead of time which can lead to a range of issues including the development of antibiotic resistant microorganisms as well as ecological impacts following their environmental release.

In this context, Dr. Gunsch will discuss several emerging issues of interest and relate them back to innovative research and treatment designs which we are developing in her laboratory. Specifically, she will focus on three main topics. First, she will discuss the impacts of nanotechnology on wastewater treatment. Secondly, she will describe the development of bioremediation strategies for emerging contaminants using naturally occurring genetic adaptation mechanisms. Finally, she will describe novel water treatment technologies capable of targeting organisms resistant to traditional disinfection strategies.

Please click on the link below to register; the cost to attend is \$25 for members and \$35 for non-members. You can now pre-pay as you register with a credit card or PayPal account, mail a check, or pay at the door with cash or check. We cannot accept credit cards at the event.

The price includes a buffet dinner at the Croasdaile Country Club. The buffet features an extensive salad bar, and a variety of hot dishes; the food is excellent. Social hour is from 6:00 to 6:30 pm and there is a cash bar. Dinner is from 6:30 to about 7:00 and the seminar will begin about 7:00, the presentation will be about an hour followed by Q&A.

One (1.0) PDH will be provided; a terrific bargain! Please join us for this great presentation by clicking on the "Register Now" link below, if you cannot attend please let us know as well, and feel free to forward this invitation to as many others as you would like using the button below.

[Register Now!](#)

[Forward to a Friend!](#)

[I can't make it](#)

If you do not wish to continue to receive event invitations from the Durham Engineers Club please unsubscribe using the link at the bottom. The Durham Engineers Club has one meeting per month.

We look forward to seeing you at the meeting!

Sincerely,

Michael M. Hughes, PE
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