

March Meeting

The 895th Meeting
of the
Northeastern Section
of the
American Chemical Society



Northeastern Section
American Chemical Society

DR. JOHN C. WARNER

President and Chief Technology Officer, Warner Babcock Institute for Green Chemistry;
President, The Beyond Benign Foundation

“Green Chemistry: Sustainability and Innovation at the Molecular Level”

Thursday, March 12, 2009
CourtYard - Boston/Cambridge
777 Memorial Drive, Cambridge, MA

5:30 pm Social Hour
6:30 pm Dinner
7:30 pm Evening Meeting – Dr. E. Joseph Billo, NESACS Chair, presiding
Speaker: Dr. John C. Warner

Dinner reservations should be made **no later than 12:00 noon on Thursday, March 5, 2009**. Please contact Marilou Cashman at mcash0953@aol.com or by phone at (800) 872-2054 or (508) 653-6329. Reservations not canceled at least 24 hours in advance must be paid. Anyone who needs handicapped services/transportation, please call a few days in advance so that suitable arrangements can be made. **Payment is made at the door by cash or check (no credit cards.)** Members, \$28.00; Non-members, \$30.00; Retirees, \$18.00; Students, \$10.00.

Directions to The CourtYard - Cambridge, MA

<https://www.marriott.com/hotels/maps/directions/bosecy-courtyard-boston-cambridge/>

From the West

Take Mass. Pike (I-90) east to Exit 18 (Cambridge/Somerville)
Merge onto CAMBRIDGE ST.; CAMBRIDGE ST becomes RIVER ST/RIVER ST BRIDGE.
Turn RIGHT onto MEMORIAL DR/US-3/MA-2.

From the South

Take Route 3 North to EXIT 20 toward I-90 WEST
Merge onto I-90 W/MASS PIKE/MASSACHUSETTS TURNPIKE
Take EXIT 20 toward BRIGHTON/CAMBRIDGE
Take the ramp toward CAMBRIDGE/SOMERVILLE
Merge onto CAMBRIDGE ST.
CAMBRIDGE ST becomes RIVER ST/RIVER ST BRIDGE.
Turn RIGHT onto MEMORIAL DR/US-3/MA-2.

From the North

Use hotel's web site directions for specific directions from your location:

<https://www.marriott.com/hotels/maps/directions/bosecy-courtyard-boston-cambridge/>

PUBLIC TRANSPORTATION: Take MBTA red line to Central Square Station. Walk 0.5 mile down River St. to Memorial Drive. The hotel is a short distance to the left. A shuttle will be available to take people back to the T stop at the end of the meeting.

THE PUBLIC IS INVITED

Abstract:

The field of Green Chemistry is over 15 years old. There are many textbooks, journals and conferences dedicated to the subject. Most universities across the world have faculty that are integrating the principles of green chemistry into their curricula. Industry has formed external collaborative roundtables and hold routine internal workshops on the subject. Federal and state governments are creating programs and legislation to promote green chemistry as a solutions based approach to sustainability. While these policy efforts recognize the potential for Green Chemistry to protect human health and the environment, they also seek to leverage economic and workforce development as well as educational objectives. The fact that green chemistry has captured the attention of a diverse group of organizations that do not typically interact with the traditional chemistry infrastructure has provided many unique opportunities and challenges. This presentation will discuss the history and science of Green Chemistry as well as its relationship with the general society.

Brief Bio:

John Warner received his BS in Chemistry from UMASS Boston and his MS and PhD in Organic Chemistry from Princeton University. He worked at the Polaroid Corporation in exploratory research and media research for 10 years. In 1997 he accepted a position at the University of Massachusetts (Chemistry, Boston Campus and Plastics Engineering, Lowell Campus), where he helped start the world's first Green Chemistry PhD program. John is now President and Chief Technology Officer of the Warner Babcock Institute for Green Chemistry (a research and development laboratory designing industrial solutions) and the Beyond Benign Foundation (a non-profit group dedicated to promoting Green Chemistry education and outreach). He has published nearly 150 patents, papers and books and is co-author of *Green Chemistry: Theory and Practice*. His recent patents in the fields of semiconductor design, biodegradable plastics, personal care products and polymeric photoresists are examples of how green chemistry principles can be immediately incorporated into commercially relevant applications. He received *The 2004 Presidential Award for Excellence in Science Mentoring* from President Bush, the American Institute of Chemistry's Northeast Division's *Distinguished Chemist of the Year* for 2002 and the Council of Science Society President's *2008 Leadership award*. Warner is editor of *Green Chemistry Letters and Reviews* and associate editor of the journal *Organic Preparations and Procedures International*. Warner serves on the Board of Directors of the ACS Green Chemistry Institute in Washington DC and is chair of California's science advisory board for Green Chemistry and Chemicals Policy Initiative.