



AMERICAN CHEMICAL SOCIETY KENTUCKY LAKE SECTION

KLS-ACS 2015 Officers

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KLS-ACS Web Page

<http://kentuckylake.sites.acs.org/>

September 2015 Kentucky Lake Section Meeting

@ Union University

1050 Union University Drive
Jackson, TN 38305

Thursday, September 17, 2015

Social @ 5:30, Dinner @ 6:00 pm, Presentation @ 7:00 pm

All events will be held in the Carl Grant Events Center on campus
Directions and maps:

<http://www.uu.edu/about/map/index.htm#Directions>

Menu: Greek chicken, Garlic red skin mashed potatoes, Green bean
almandine, Salads, Dinner rolls, Banana pudding
The price is \$10 (Students \$5)

Program: Global Climate Change: What Is It? How Will It Affect Us? Can We Reduce the Impact By Our Actions?

Dr. Andy Jorgensen

Associate Professor of Chemistry & Environmental Sciences,
University of Toledo

Senior Fellow, National Council for Science and the Environment

Comments from the Chair

We all had a great time at the August kick-off picnic in Murray. It is especially nice when students, members, and children can all enjoy the great outdoors in such a fine setting. This month, we will hear from Dr. Andy Jorgensen from University of Toledo on the topic of climate change. He is an expert on climate change education, is a leader in the Camel Climate Change Education Project, and has contributed to the Encyclopedia of Earth (www.eoearth.org). Please join us for an evening of interesting discussion as we explore this topic. ~David Wing, Chair

What's Happening in KLS

- Attention parents of children age 0-14: Plan to bring your kids along to monthly meetings for a unique hands-on Science Center experience. This month's theme is "Bubbles".
- POSTPONED Event: The trip to Discovery Park of America in Union City, TN scheduled for this Saturday has been postponed to October 24th. All KLS members (kids not required) and their families are invited to attend for free! Stay tuned for more information.
- National Chemistry Week: October 18-24. This year's theme is "Chemistry Colors Our World." Join us for our annual demonstration show at UT Martin October 22nd!

**Global Climate Change:
What Is It? How Will It Affect Us?
Can We Reduce the Impact By Our Actions?**

Dr. Andy Jorgensen

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<http://www.utoledo.edu/nsm/chemistry/people/Webpages/Jorgensen.html>



Summary:

Climate change is a very intense topic in our country these days. It finds its way into political, business and social conversations, often with vocal disagreement among participants. This presentation will give background information about the phenomenon and methods which have been used to characterize these changes. The human dimension of the problem will be emphasized. The possible consequences of various scenarios will be explored. We will then consider solutions to the problem characterized as mitigation and adaptation strategies. Participants will be invited to share their views by using personal response devices and compare these to the replies from previous audiences. Questions and comments will be encouraged.

Biography:

Dr. Jorgensen spent a sabbatical leave as Senior Fellow at the National Council for Science and the Environment (NCSE). His primary work on that leave was the development of climate change curricular materials in collaboration with NCSE's Council of Environmental Deans and Directors. At Toledo he works on innovative educational techniques, including online education and student response systems.

He earned a Ph.D. in Physical Chemistry from the University of Illinois at Chicago and a B.S. in Chemistry from Quincy University. He completed a postdoctoral appointment in chemical education at the University of Illinois at Urbana-Champaign under the direction of Gil Haight. He is chair of the American Chemical Society's (ACS) Committee on Education and serves as the councilor of the Toledo Local Section of ACS.

He was selected as a 2012 ACS Fellow. Also in 2012 he was given a Senior Lecture Award from the ACS Northeast Regional Meeting Environmental Chemistry Division. In 2013 he received an American Chemical Society-Committee on Environmental Improvement Award for Incorporating Sustainability into Chemistry Education. He has received a University of Toledo Outstanding Teaching Award and was twice appointed as a Master Teacher in the College of Arts and Sciences.

His work on climate change education has been supported by NASA and NSF.