



# AMERICAN CHEMICAL SOCIETY KENTUCKY LAKE SECTION

## KLS-ACS 2015 Officers

### Chair

David Wing  
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### Past Chair

Bommanna Loganathan  
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### Secretary/Treasurer

Rebecca Brown  
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### Councilor

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### Alternate Councilor

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### KLS-ACS Web Page

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

## November 2015 Kentucky Lake Section Meeting

### Tennessee Room

Holland McCombs Center, UT-Martin

548 University Street  
Martin, TN 38238

Thursday, November 19, 2015

Student Session 4:30-5:15 PM EPS 318

Social 5:30 PM; Dinner 6 PM,

Business Meeting (awards and election) 6:45 PM,  
Presentation 7:15- 8 PM

Directions: (<http://www.utm.edu/maps.php>, then select the Holland McCombs Center from the "Buildings" drop-down menu on the left) Parking will be available at Hall-Moody Administration Building (turn in from University Street), or across the street at the football stadium, or a pleasant walk from the EPS building parking lot.

**The price is \$10 (Students \$5)**

Menu: Pork tenderloin with tea rolls, chicken strips, artichoke dip and pita chips, cheese and fruit

## Program: Microfluidic Electrochemical Biosensors

**Dr. Mohtashim Shamsi**

Assistant Professor

Department of Chemistry & Biochemistry  
Southern Illinois University at Carbondale

Congratulations and thank you to all the students who participated in yet another successful demonstration show to celebrate National Chemistry Week last month! Also a big thank you to our officers, especially outgoing Past Chair Bommanna Loganathan and current chair David Wing, for leading our section this past year. Dr. Abby Shelton has done a great job organizing monthly meetings as Chair-Elect. The section will be welcoming in new officers at this week's meeting. Please join us for this last meeting before the holidays! See you in Martin.

Attention students: Interested in graduate school? Our speaker Dr. Shamsi will be meeting with students before the social to discuss opportunities at SIU-Carbondale. All students are invited to attend! EPS Room 318 at 4:30 PM

## **Dr. Mohtashim Shamsi**

I completed my B.Sc. (Hon) and M.Sc. degrees from the Department of Chemistry, University of Karachi in 2001 and 2002. In M.Sc., I was awarded a Gold medal for achieving distinction. After working as a chemistry instructor for several years, in 2008 I earned the M.S. degree from Gwangju Institute of Science and Technology (South Korea) in Materials Science and Engineering. Then, I obtained PhD in 2012 under the supervision of Prof. Bernie Kraatz. The thesis entitled "*The Electrochemical Studies of DNA Films on Gold Surfaces*". Later, I worked for three years as a postdoctoral fellow in Aaron Wheeler's group in the area of Digital Microfluidics, where I developed first DMF chips with integrated electrochemical sensors. Currently, my research interests fall at the interface of Electrochemistry, Biosensors and Microfluidics gearing towards the "*Lab-on-a-Chip*" technology for point-of-care application.