



MidSouth SETAC

Memphis, TN – May 20-21, 2010



You are invited to attend the MidSouth SETAC Regional Chapter annual meeting to be held at the new University Center at the University of Memphis campus in Memphis, Tennessee. The River City – home of the Blues, world famous barbeque, Graceland, and Beale Street – is known for its history, music, food and nightlife. SETAC is a not-for-profit, worldwide professional organization that promotes the advancement and application of science related to contaminants and other environmental stressors, education in the environmental sciences, and the use of science in environmental policy and decision-making. SETAC's mission is protecting, enhancing and managing sustainable environmental quality as well as ecosystem integrity. **Join us at SETAC in the River City!**

We are inviting abstracts and participation in the following areas:

- Environmental Toxicology and Chemistry
- Environmental Remediation, Rehabilitation and Restoration
- Environmental Risk Assessment and Risk Management
- Multidisciplinary approaches to Solving Environmental Problems
- Natural Resources Management
- Science and Education
- Sustainability
- Other Topics in Environmental Toxicology and Chemistry and Related Outreach

Abstracts for platform and poster presentations must be submitted by MAY 3, 2010.

The 2010 annual meeting will start Thursday morning, May 20, with a morning and platform sessions, possibly a short course, and an evening poster session. To unwind from all the exciting and brain bending discussions, we plan to go downtown to sample Memphis' Barbeque and blues on Beale Street. Other options are Graceland tours, Black History and Civil War walking tours, Ghost River Brewing Company, The Levitt Shell (Soul Rebels Jazz Band Thursday May 20 and Super Chikan May 21 – both free admission), the Art Museum of the University of Memphis, Mud Island, National Civil Rights Museum, the Stax Museum, Sun Studio, St. Blues Guitar Factory, Gibson Guitar Factory, South Main Trolley Tour, and the Memphis Botanic Garden. Most are free. <http://www.memphistravel.com/>

On Friday, May 21, we will open our session with plenary speakers addressing timely topics related to different aspects of environmental toxicology and chemistry as well as sustainability. The meeting will conclude following our awards luncheon, followed by an optional, guided Wolf River Canoe trip to see first-hand reclamation and restoration efforts in a river with a long, sordid history.

Registration for the meeting will be \$40/regular and \$20/student until May 2 (\$55/regular and \$35/student after May 2). Registration includes the short course; all presentations, posters, and discussions; continental breakfasts and coffee breaks; and lunch on Friday. The Wolf River canoe trip will cost approximately \$20 per person, weather permitting.

Mid-South SETAC accommodations will cost \$100 per night at the University of Memphis Holiday Inn, which includes a two-room suite or king-sized room, refrigerator, microwave, and sink. The distance to the University Center is two blocks. The Fogelman Center is another on-campus hotel, and other nearby hotel accommodations are available. Registration information and lodging details can be found on the Mid-South SETAC website (www.setac.org/midsouth) or by calling (901) 678-8200 before May 5, 2010.

CALL FOR ABSTRACTS

The organizing committee of the 2010 MidSouth SETAC meeting welcomes submission of abstracts for platform and poster presentations. **All abstracts must be formatted according to the example abstract below and submitted as a MS Word 2003 email attachment to Dr. Richard Lizotte at Richard.Lizotte@ars.usda.gov.**

Abstracts should not exceed 300 words and should follow the format of the attached sample abstract below. Abstracts over 300 words will be edited without author's review. **Poster presentation boards will be 48 inches (wide) by 36 inches (tall) and attached using ONLY adhesive (no Velcro, pins or tacks).** Abstract submissions must be received on or before May 3, 2010.

Sample Abstract Submission

Author to Contact:

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Preference: (NOTE: Select One) either Platform or Poster, **Platform but Will Accept Poster**

Student or Post-doctoral Fellow (NOTE: Select one, if applicable)

I **do**/do not (NOTE: Select one, if applicable) wish to be judged for a **Best Student Paper Award**.

Title: Assimilation of Trophically Available Lead in a Reptilian Predator Model

Authors (presenting author in bold): **Coleman JG**, Brasfield SM, Inouye LS, Steevens JA, Jones RP, Boyd R, Yoo, LJ

Firing range contamination by lead (Pb) projectiles continues to be a concern as the Army manages the training environment. Pb transfer from organisms at the food chain base (i.e., invertebrates) to higher level consumers (i.e., birds, reptile, etc.) is particularly important in evaluating potential risks linked to Pb contamination. Current environmental assessments overestimate risk by assuming 100% Pb transfer within the food chain. Previous study evaluated uptake of Pb in four prey species, and based on these results, tenebroid beetle larvae (*Tenebrio molitor*) were selected. Prey invertebrates were exposed to sub-toxic Pb levels and fed to lizards ...