SETAC North America 35th Annual Meeting
November 9–13, 2014 | Vancouver, British Columbia

Exponent Session Chairs

Special Symposia: Deepwater Horizon/MC 252 Well Incident Update
Monday November 10
Co-chairs: Eugene Mancini, Robert Haddad, Paul Boehm

Environmental Analysis, Policy and Litigation
Implementing New and Novel Scientific Research to Inform Regulations
Tuesday, November 11
Co-chairs: James Hauri, Laurel Royer

Advanced Environmental Forensics for Polycyclic Aromatic Hydrocarbons
Monday November 10
Chair: Kirk O'Reilly

Improving Research Quality to Increase Relevance and Use in Regulatory Decision-Making
Wednesday, November 12
Co-chairs: Jane Staveley, Randy Wentsel

Hydraulic Fracturing: A Technical Teaser or Political Puzzle?
Monday November 10
Chair: Yvette Lowney

Fish Consumption as a Driver of Risk Management Decisions and Human Health-Based Water Quality Criteria
Wednesday, November 12
Co-chairs: Nancy Judd, Yvette Lowney

Improving Wildlife Risk Assessment: Characterization of Exposure-Response Relationships
Monday November 10
Co-chairs: Gary Mann, Brad Sample, Anne Fairbrother

Implementing the National Academy of Sciences Recommendations for Protecting Threatened and Endangered Species
Thursday November 13
Co-chairs: John Carbone, Wendy Hillwalker, Anne Fairbrother

Innovative Methods for the Monitoring, Measurement or Characterization of Environmental Samples
Monday November 10
Co-chairs: James Hauri, Laurel Royer
Awards

Exponent is pleased to announce the following awards that will be presented to Exponent staff during SETAC:

**SETAC Founders Award – Anne Fairbrother**
The Founders Award is the highest honor SETAC can bestow. It is given to an individual whose outstanding career and significant contributions to environmental science reflect the goals of SETAC.

**Eugene Kenaga SETAC Membership Award – Wendy Hillwalker**
The award is given annually to any member that provides leadership and development opportunities to the members of SETAC at either the national or chapter level.

Industry Representatives

**Career Talks Noontime Seminar**
Wednesday, November 12
Roxolana Kashuba (panelist)

**Career Networking Reception**
Wednesday, November 12
Jane Staveley (panelist)

Exponent Presentations

Monday, November 10

**A Chemical Risk Prioritization Scoring Process for the Oil and Gas Exploration and Production Industry**
Authors: Michael Kierski, Jane Staveley, Elaine Freeman, Josie Bamford, Kristin Koblis
Session: Integrated Environmental Assessment and Management General
Presentation Type: Poster / ID: MP271
Room: Exhibit Hall
Presentation Start Time: 8:00 AM

**Big Picture Strategies for Big Data Analysis**
Authors: Brianne Duncan, Melinda Belisle
Session: Integrated Environmental Assessment and Management General
Presentation Type: Poster / ID: MP279
Room: Exhibit Hall
Presentation Start Time: 8:00 AM

**Evaluating Potential Aquatic Toxicity of Petroleum Biodegradation Metabolites Using Groundwater Samples from Fuel Release Sites**
Authors: Asheesh Tiwary, Renae Magaw, Dawn Zemo, Rachel Mohler, Kirk O'Reilly, Karen Synowiec
Session: Assessing Integrated Environmental Assessment and Management General
Presentation Type: Poster / ID: MP256
Room: Exhibit Hall
Presentation Start Time: 8:00 AM
Microplastics as Vectors of Persistent Organic Pollutants (POPs): A State-of-the-Science Review
Authors: Linda Ziccardi, Karyn Hentz, Susan Kane Driscoll
Session: Environmental Impacts of Microplastics: An Issue of Local, Regional and Global Concern
Presentation Type: Poster / ID: MP127
Room: Exhibit Hall
Presentation Start Time: 8:00 AM

The Influence of Source Selection on Chemical Mass Balance Modeling Results – Implications for Source Control Policy
Authors: Sungwoo Ahn, Kirk O’Reilly
Session: Assessing Advanced Environmental Forensics for Polycyclic Aromatic Hydrocarbons
Presentation Type: Poster / ID: MP032
Room: Exhibit Hall
Presentation Start Time: 8:00 AM

Chemical Controls on Human Exposures to PAHs in Soil
Authors: Michael Ruby, Yvette Lowney, Upal Ghosh, Steve Roberts, Annette Bunge, John Kissel
Session: Assessing Integrated Environmental Assessment and Management General
Presentation Type: Platform / ID: 58
Room: 220
Presentation Start Time: 8:40 AM

Mass Balance Modeling of Polycyclic Aromatic Hydrocarbons Sources to Urban Sediments
Authors: Kirk O’Reilly, Sungwoo Ahn
Session: Assessing Advanced Environmental Forensics for Polycyclic Aromatic Hydrocarbons
Presentation Type: Platform / ID: 50
Room: 213-214
Presentation Start Time: 8:40 AM

Tuesday, November 11

Supplemental Data to Aid in Weight of Evidence (WoE) Determinations
Authors: Sue Marty, Ellen Mihaich, Katherine Coady, Leah Zorrilla, Barbara Neal, Tessa Scown, Brandy Riffle, Fred Hess
Session: Weighing the Evidence: Frameworks and Process
Presentation Type: Poster / ID: TP170
Room: Exhibit Hall
Presentation Start Time: 8:00 AM

Relative Oral Bioavailability of Benzo(a)Pyrene from Soils: Effect of Soil Characteristics, PAH Sources, and PAH Concentration
Authors: Yvette Lowney, Michael Ruby, John Munson, Stephen Roberts
Session: Bioavailability and Bioaccessibility: Critical Tools for Risk Management Decisions
Presentation Type: Platform / ID: 226
Room: 211
Presentation Start Time: 10:20 AM
Cautions for Deriving Causal Relationships and Water Quality Benchmarks From Field Observational Data: A Case Study In West Virginia Headwaters
Authors: Roxolana Kashuba, Kenneth Cerreto, Katherine Palmquist, Cristy Kessel, Charles Menzie
Session: Assessing Contaminant Effects in Multi-stress Ecosystems: Part 1
Presentation Type: Platform / ID: 275
Room: Ballroom C
Presentation Start Time: 11:00 AM

A Tiered Approach to Causal Analysis in Natural Resource Damage Assessment
Authors: Ann Michelle Morrison, Margaret McArdle, Charlie Menzie
Session: Assessing Contaminant Effects in Multi-stress Ecosystems: Part 2
Presentation Type: Platform / ID: 362
Room: Ballroom C
Presentation Start Time: 1:20 PM

Wednesday, November 12

An Evaluation of the Dietary LD50 for Risk Characterization and Implications for Designing Toxicity Tests for Passerine Species
Authors: Wendy Hillwalker, Jane Staveley, John Carbone, Mark Schocken
Session: Terrestrial or Wildlife Toxicology and Ecology General
Presentation Type: Poster / ID: WP237
Room: Exhibit Hall
Presentation Start Time: 8:00 AM

An Evaluation of U.S. EPA Passerine Acute Toxicity Test Guidance and Their Applicability in Real World Scenarios
Authors: Wendy Hillwalker, Laurent Mezin, Larry Brewer
Session: Terrestrial or Wildlife Toxicology and Ecology General
Presentation Type: Poster / ID: WP238
Room: Exhibit Hall
Presentation Start Time: 8:00 AM

Application of an Adverse Outcome Pathway to Elucidate Observations of Intersex Fish in the Environment
Authors: Alexander MacLeod, Wendy Hillwalker, Lance Yonkos
Session: Advancing Adverse Outcome Pathways for Integrated Toxicology and Regulatory Applications
Presentation Type: Poster / ID: WP189
Room: Exhibit Hall
Presentation Start Time: 8:00 AM
Dietary Survey Study Design Considerations for Fish Consumption Studies Used In Regulatory Decision Making

Author: Michael Garry
Session: Fish Consumption as a Driver of Risk Management Decisions and Human Health-Based Water Quality Criteria
Presentation type: Platform / ID: 409
Room: 211
Presentation Start Time: 8:00 AM

Passerine Acute Oral Dose Study Update 2014

Authors: Timothy Fredricks, Kristin Brugger, Tiffany Carro, Mark Christ, Peter Edwards, Kevin Henry, Wendy Hillwalker, Matthew Kern, Dwayne R.J. Moore, Spencer Mortensen, Jane Staveley
Session: Wildlife Ecotoxicology
Presentation Type: Poster / ID: WP220
Room: Exhibit Hall
Presentation Start Time: 8:00 AM

Using Mesocosms to Rank the Impacts of Environmental Stressors on Stream Periphyton Community Structure and Function

Authors: Konrad Kulacki, David Costello, Mary McCarthy, Scott Tiegs, Bradley Cardinale
Session: Alternative Methods for Evaluating Aquatic Toxicity: New Methods, Endpoints and Testing Strategies
Presentation Type: Poster / ID: WP042
Room: Exhibit Hall
Presentation Start Time: 8:00 AM

In-Situ Use of Activated Carbon to Reduce the Bioavailability of Mercury and PCBs in a Marsh Field Pilot Study in Berry’s Creek, New Jersey

Authors: Steven Brown, Betsy Henry, Cindy Gilmour, Upal Ghosh, Charles Menzie, Ben Amos
Session: Remedy Effectiveness Assessments and Monitoring Contaminated Sediment Remediation: Part 1
Presentation Type: Platform / ID: 380
Room: 110
Presentation Start Time: 9:00 AM

Improving the Utility of Ecotoxicity Testing in Regulatory Decision-Making

Author: Jane Staveley
Session: Improving Research Quality to Increase Relevance and Use in Regulatory Decision-Making
Presentation Type: Platform / ID: 545
Room: Ballroom B
Presentation Start Time: 1:00 PM

Reduced Bioavailability and Pore Water Concentrations of PCBs in an Activated Carbon-Amended Phragmites Marsh

Authors: James Sanders, Natasha Andrade, Upal Ghosh, Charlie Menzie, Ben Amos, Steven Brown, Betsy Henry
Session: Remedy Effectiveness Assessments and Monitoring Contaminated Sediment Remediation: Part 2
Presentation Type: Platform / ID: 476
Room: 110
Presentation Start Time: 2:00 PM
Ecological Relevance and Policy Relevant: Application of New Methods and Barriers to Their Use

Authors: Randall Wentsel
Session: Improving Research Quality to Increase Relevance and Use in Regulatory Decision-Making
Presentation Type: Platform / ID: 552
Room: Ballroom B
Presentation Start Time: 4:00 PM

Thursday, November 13

Don’t Raise Your Voice; Strengthen Your Argument: Basing Biological Opinions On Sound Science (With Already Available Information)

Authors: Roxolana Kashuba, Anne Fairbrother, John Carbone, Wendy Hillwalker
Session: Implementing the National Academy of Sciences Recommendations for Protecting Threatened and Endangered Species
Presentation Type: Platform / ID: 728
Room: Ballroom B
Presentation Start Time: 1:00 PM

The EC05 is Not An Appropriate Endpoint For Algal Toxicity Tests

Author: Jane Staveley
Session: Bridging the Gap Between Aquatic and Terrestrial Plants in Ecotoxicology and Risk Assessment
Presentation Type: Platform / ID: 689
Room: 211
Presentation Start Time: 1:00 PM

Assessing TEQ Risks at PCB Sites - Who Needs Them?

Authors: John Schell, Alan Fowler, John Loper, Linda Ziccardi
Session: Realities of Addressing Contaminated “Legacy Sites”
Presentation Type: Platform / ID: 666
Room: 110
Presentation Start Time: 1:20 PM