

AGENDA
NAC SETAC JUNE 10-13, 2014 MEETING
University of Massachusetts – Amherst Conference Center

TUESDAY & WEDNESDAY JUNE 10 & 11

Two day short course, “**NACSETAC NRDA II - TRANSLATING ECOLOGICAL INJURY TO COMPENSATION**” Co-chairs: Alan Parsons, Kingston Consultancy & Ken Finkelstein, NOAA

TUESDAY	7:00am Registration	<u>Foyer Amherst Room</u>
	8:00am – 5:30pm	Day 1, <u>Amherst Room</u>
	6:00pm	Dinner/Speaker, <u>Hadley Room</u>
WEDNESDAY	7:30am	Breakfast, <u>Marriott Center</u>
	8:30am – 4:00pm	Day 2, <u>Marriott Center</u>

THURSDAY JUNE 12

7:30 **CONTINENTAL BREAKFAST & REGISTRATIONS**, Marriott Center

8:30 **NAC & SETAC Welcome**, Marriott Center

9:00 **SESSION 1: METAL TOXICITY**, Chair: Celia Chen

1. Courtney Carignan*, ARSENIC EXPOSURE DURING THE FIRST YEAR OF LIFE: MEASUREMENTS AND ESTIMATES FROM THE NEW HAMPSHIRE BIRTH COHORT STUDY
2. Nicole Roy, DEVELOPMENTAL TOXICITY OF LEAD
3. Darshika Udawatte*, LOW-DOSE TRANSPLENTAL ARSENIC EXPOSURE ALTERS EXPRESSION OF CELL CYCLE GENES IN LUNG TISSUES OF C57BL/6 MICE
4. Melissa Beauchemin, DEVELOPMENT OF SITE-SPECIFIC UPTAKE FACTORS FOR METALS

10:30 **COFFEE BREAK**, Marriott Center

11:00 **SESSION 2: FIELD STUDIES**, Chair: Adria Elskus

5. Dion Lewis, SURFACE SEDIMENT DISTURBANCE EVALUATIONS TO SUPPORT DEEP-WATER CAPPING USING RADIOCHEMICAL AND PHYSICAL CHARACTERISTICS
6. Ariel Lewis*, REMEDIATION STRATEGIES FOR MERCURY CONTAMINATION IN HODGDON POND, ACADIA NATIONAL PARK: THE USE OF ZERO-VALENT IRON AND GRANULAR ACTIVATED CARBON
7. Christopher Goodchild*, AMP-ACTIVATED PROTEIN KINASE AS A TOOL FOR ASSESSING SUB-LETHAL STRESS IN CAGED MUSSELS EXPOSED TO MUNICIPAL WASTEWATER EFFLUENTS

12:00 **LUNCH (poster viewing)**, Amherst Room

1:00 **KEYNOTES**, Marriott Center, Moderators: Tim Verslycke & Kerrie Beckett

John Hofmeister, “**THE SHALE REVOLUTION: OVER- OR UNDER-STATED? SHALE AND FRACKING'S RISKS AND UNCERTAINTIES VERSUS VALUE CREATION AND ECONOMIC AND ENERGY SECURITY**”

Yvonne Hennessey, “**SHALE DEVELOPMENT: A COMPARISON OF HOW STATES ARE REGULATING HYDRAULIC FRACTURING**”

2:30 **SESSION 3: FISH EARLY LIFE STAGE TOXICITY**, Chair: Deena Small

8. Subham Dasgupta*, TOXICITY OF COREXIT 9500 AND ITS MAJOR COMPONENTS TO EARLY LIFE STAGE SHEEPHEAD MINNOWS
9. JED GOLDSTONE, CYTOCHROME P450 IN SMALL MODEL FISH FOR DRUG DISCOVERY AND MECHANISTIC TOXICOLOGY

3:10 **COFFEE BREAK**, Marriott Center

3:40 **SESSION 4: CLIMATE CHANGE**, Chair: Emily Monosson

10. Margaret Williams*, FROM SMALL TOWN MAINE TO AN INTERNATIONAL STAGE - OBSERVING THE GLOBAL CLIMATE TALKS
11. Celia Chen, CLIMATE IMPACT ON METHYLMERCURY FATE IN COASTAL ECOSYSTEMS

4:30 **POSTER SOCIAL w/ cash bar**, Foyer Amherst Room

6:30 **BANQUET**, Amherst Room

8:00 **NAC SETAC Jam session**, TBD

FRIDAY JUNE 13

- 8:00 **CONTINENTAL BREAKFAST & REGISTRATIONS**, Marriott Center
- 8:30 **SESSION 5: TOPICS IN ENVIRONMENTAL TOXICOLOGY & CHEMISTRY**, Chair: Subham Dasgupta
- 12. Wenqing Xu, BLACK CARBON: A REACTIVE SORBENT FOR THE DESTRUCTION OF HAZARDOUS ORGANIC CONTAMINANTS BY HYDROGEN SULFIDE
 - 13. Megan McCuller, THE NEW ENGLAND RAPID ASSESSMENT SURVEY FOR BIOINVASIVE SPECIES: GOALS AND FINDINGS
- 9:20 **STUDENT MENTORING ACTIVITY**
- Mary Haasch, SHAPING YOUR CAREER: IT ISN'T JUST ABOUT TECHNICAL EXPERTISE
- 10:00 **COFFEE BREAK**, Marriott Center
- 10:30 **STUDENT POSTER WINNERS**
- Award presentations & Student winner poster summaries (5 minute talks & question/answers)
- 3 presenters: Best Overall Poster, Best 1st time presenter poster, Best Undergraduate Poster
- 11:15 **SESSION 6: TOPICS IN ENVIRONMENTAL TOXICOLOGY & CHEMISTRY**, Chair: Megan McCuller
- 14. Emily Monosson, UNNATURAL SELECTION: LIFE-CHANGING CHEMICALS
 - 15. Adria Elskus, ASSESSING RESIDUAL TOXICITY OF A NOVEL METHOD FOR TREATING SHIP BALLAST WATER IN THE GREAT LAKES (USA)
- 12:00 **NAC SETAC Business Meeting & Elections**, Marriott Center
- 12:15 **NAC SETAC Student Platform Awards**, Marriott Center
- 12:30 **ADJOURN MEETING**
- 12:45 **NAC BOD Luncheon**, Room 917

* designates student presenter