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MISSION STATEMENT

Serving the Chesapeake-Potomac Region (Maryland, DC, Virginia, and West Virginia), our chapter provides a professional forum for individuals from private industry, academia, and government agencies who are engaged in the study and analysis and solutions for environmental problems, management and regulation of natural resources, and/or research and development. We facilitate networking and educational opportunities for scientific professionals, mentoring and career guidance for students, and environmental education and outreach for the public.

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CHAPTER LEADERSHIP AND COMMITTEES

Officers

President      Bradford Pratt, Alexandria Renew Enterprise  president.cprc.setac@gmail.com
Vice President  Elyssa Arnold, US EPA              vice.president.cprc.setac@gmail.com
Past President  David Kent, Science Traveler        davidjkent.writer@gmail.com
Treasurer       Matthew Behum, Integral Consulting, Inc. treasurer.cprc.setac@gmail.com
Secretary       Natasha Andrade, University of Maryland cprc.setac@gmail.com

Board Members

2013 – 2015  Student Representative Hilda Fadaei, University of Maryland, Baltimore County
2012 – 2014  Paula Henry, USGS Patuxent Wildlife Research Center
2014 – 2016  Laura Robertson, Shepherd University
2014 – 2016  Lance Yonkos, University of Maryland

Newsletter Editors
Debra Joseph, Editor-in-Chief
Hilda Fadaei, Assistant Editor
David J. Kent, Contributing Editor

Website Editors http://cprcsetac.wordpress.com/
Natasha Andrade and Scott Lynn

Communications Steering Committee
http://cprcsetac.wordpress.com/get-involved/communications-steering-committee/
Improving CPRC communications and professional outreach. Committee Chair: Scott Lynn

Annual Meeting Planning Committee
Organizes meeting themes, agenda, keynote speakers, and logistics. Committee Chair: Elyssa Arnold

Get Involved!
cprc.setac@gmail.com
THE PRESIDENT’S CORNER

As you were digging out of the snow this winter, confined to your house by the weather, I hope you had a few moments to reflect on your place in the world of environmental toxicology and chemistry. Some of you may be relishing in a promotion, others craving change, or maybe you are a student looking for a break from your books! Just as you have been setting and achieving goals this winter, so has the CPRC leadership team, a motivated group of volunteers dedicated to making this organization as useful as possible to members at every career level.

During our monthly meetings the Executive Committee works to grease the scientific sharing and networking machine by bringing together academic, industry, and government arenas. We also develop continuing educational opportunities for professionals, provide mentoring for students, and share our environmental knowledge with the public.

The centerpiece is our annual meeting, which takes place this year on Sunday, April 27 and Monday, April 28 at the Chesapeake Bay Environmental Center in Grasonville, MD. This is our second annual meeting at this gorgeous venue. Sunday, our recreational day, includes a wetland restoration planting project and a guided bird walk. There are also miles of trails to explore and discover. This is a great, informal way to network and get to know your fellow members. Monday will be a day of scientific presentations. For your convenience, we reserved a hotel block with competitive rates and have provided breakfast, lunch, dinner and snacks all included with registration.

Please take note of our 2014 sustaining and associate sponsors whose generosity directly supports Chapter activities. Take a moment to visit their websites to learn about the organizations behind the donations.

Finally, I would be remiss in my duties if I did not acknowledge the outgoing leadership team this year, especially our Past President David Kent. On behalf of CPRC, thank you for successfully leading us to this point. Our members are fortunate to have volunteers like you step up and take on the responsibility and time commitment of being on the Board or holding an Officer’s position. At the same time, please join me in welcoming our new Executive Committee members who are already hard at work on your behalf, finding new and exciting ways to make CPRC the go-to place for environmental toxicology and chemistry in the Mid-Atlantic. I would also like to thank the volunteer members on our committees who help keep the wheels turning by generously donating their time.

We couldn’t do it without you.

Brad Pratt
NEW MEMBERS OF THE CPRC LEADERSHIP TEAM

Elyssa Arnold, Vice President

Elyssa Arnold is a biologist at the U.S. EPA Office of Pesticide Programs in Washington, DC, where she conducts ecological risk assessments for pesticide uses. This involves evaluation of toxicology and environmental chemistry data, aquatic and terrestrial exposure modeling, and estimation and characterization of risk to the environment. Elyssa is also involved in efforts to adapt the ecological risk assessment process to include endangered species and in implementation of the Endocrine Disruptor Screening Program (EDSP). Elyssa previously worked as a consultant to the EPA Stratospheric Protection Division, analyzing and implementing efforts to phase out ozone depleting substances under the Montreal Protocol. Elyssa earned a BA in Environmental Studies from Dartmouth College and master’s degrees in environmental management (MEM) and public health (MPH) from Yale University. At Yale, Elyssa conducted field research on the effect of variation in arsenic metabolism on birth weight outcomes in Romanian women. Elyssa first became actively involved with CPRC SETAC when she volunteered to serve on the Steering Committee for the CPRC annual meeting. She now looks forward to serving CPRC in a more wide-reaching role to facilitate interaction among the local community of professionals and students in environmental toxicology and chemistry.

Laura Robertson, Board Member

Laura Robertson is an Assistant Professor in Biology at Shepherd University in Shepherdstown WV, where she teaches Microbiology. Before starting work at Shepherd University in August 2013, Laura worked as a Research Geneticist at the USGS for eight years, where she investigated the effects of contaminants and environmental perturbations on the expression of genes involved in the immune system and reproduction in a variety of aquatic organisms including freshwater mussels, fish, and frogs. Ongoing work includes the effects of salt on freshwater mussels and development of potential biomarkers for nonlethal monitoring. Prior to the USGS, Laura was a Senior Editor for Curation Science in the Proteome Division of Incyte Corporation, where she curated molecular information and developed hierarchical phenotype ontologies for fungal model organisms and pathogenic species. She received a PhD in Biology from MIT in 2000 and an MS (Genetics, 1994) and a BS (Mathematics, 1991) from the University of Georgia. Laura is a new member of CPRC SETAC and attended her first
meeting last spring. She is excited about the opportunity to increase her involvement with the CPRC.

**Lance Yonkos, Board Member**

Lance Yonkos is an Assistant Professor of Environmental Toxicology in the Environmental Science and Technology Department (ENST) at the University of Maryland - College Park. Prior to his academic appointment Lance served as a research scientist for the University investigating aquatic and sediment related contaminant issues in the Chesapeake Bay region. Recent and on-going research activities involve the various environmental and human health consequences of land application of poultry litter and biosolids. Included are investigations into endocrine disruption in aquatic biota; antibiotic resistance in biosolids, poultry litter and receiving environments; arsenic accumulation from feed amendment with Roxarsone; and the potential for mitigation of these concerns through composting and modifications to current agronomic practices. Other relevant research activities include investigations into legacy sediment toxicity in Baltimore Harbor from steel manufacture and other industrial activities at Sparrows Point; soil, sediment and groundwater contamination from coal-fired power plant fly ash disposal; and potential toxicity of ballast water invasive species mitigation strategies. Lance began his academic career at Washington and Lee University (Lexington, VA) with a BS degree in Natural Sciences and Mathematics. He received MS and PhD degrees from the Marine Estuarine Environmental Sciences Program (MEES) at the University of Maryland College Park studying the toxicological effects of chlorine dioxide residuals on aquatic biota in receiving waters (MS) and the endocrine disruption potential of poultry litter-associated contaminants (PhD). Lance has attended nearly every annual SETAC meeting since 1990, enjoying many benefits from memberships in both the national society and regional chapter. He has had the recent good fortune to introduce four UMD graduate students to SETAC and expects to encourage society membership among additional ENST faculty and students—both graduate and undergraduate—in coming years.
CPRC Sponsors Belle Heth Elementary School’s First Lego League Team

Heather Govenor

As part of our mission to mentor students, support environmental education, and provide public outreach, CPRC sponsored the First Lego League Team from Belle Heth Elementary School in Radford, VA. First Lego League (www.firstlegoleague.org) is an international robotics program for 9 to 14 year olds designed to get children excited about science and technology.

The Belle Heth Team, the Lego Eggos, was composed of 8 students in grades 5 and 6 (10-12 years old). Meeting for 4 hours/week for 10 weeks, team members worked on both research and robotics components of the competition.

This year’s research theme was “Nature’s Fury.” Teams identified a challenge and researched solutions to related to this theme. The Lego Eggos chose the topic of wildfires, and the challenge of evacuating affected areas. They addressed this challenge with “Richard the Rescue Robot,” an SUV-sized remote-controlled vehicle that could enter danger zones and evacuate stranded persons. Richard came complete with water cannons and a plow, which would enable “him” to clear escape routes without endangering rescue squads. A highlight in the research process was a tour of the Virginia Tech Robotics and Mechanisms Lab (RoMeLa), where the team got a sneak peak at Thor, a robot designed by Tech students that competed in the Darpa Robotics Challenge Trials in December. What a great meeting of the minds!

The First Lego League robotics challenge also followed the “Nature’s Fury” theme. The team designed a robot using the Lego Mindstorms system and programmed it to complete a series of missions including getting supplies to people in need and rescuing pets. Programming was an iterative and sometimes frustrating process, but with great rewards as evidenced by the big smiles that would appear when a mission was successful.

The regional competition took place in Abington, VA on November 16th. Judged components included a teamwork challenge, robot design explanation, presentation of the research project, and running the robot mission (one practice run and three scored runs). The Lego Eggos did increasingly well as the day went on, pausing along the way to recognize what to improve and what they were doing well. There were blood, sweat, tears, and tons of fun and laughter.

The Lego Eggos send their sincerest thanks to CPRC SETAC for the chapter’s support of this experience!
2 Building the Robot. All components of the challenge board were built by the team.

3 Programming. Program, test, repeat!

4 Competition Day. Warming up in the Green Room – love the team outfits

5 Components of Competition. In addition to the robot challenge, the team was evaluated on (a) robot design, (b) research presentation, and (c) teamwork skills.

6 Robotics Challenge. Teams completed as many missions as possible in 2 min of 30 sec rounds.

7 Successful Mission! Nothing was more exciting than mission success. A close second was the fun of seeing other teams succeed and learning other of ways used to complete missions.

8 Scoring the Table. Each mission was scored by the

9 Waiting for Scores to be Posted. You could feel the tension in the air.

1 Lego Eggos! Taking time out for a team shot at the regional competition. L-R: William Hartig, Jackson Turner, Heather Govenor (Lego Wrangler), Ian Epperly, Jaime Clemmer (Head Lego Wrangler), Grayson McKinley, Isabella Burgoyne, Jason Kern, Michael Wojdak, Kevin McGuire, Christine Burgoyne (Lego Wrangler)
Hilda Fadaei

At the SETAC in Nashville in November 2013, the North America Student Advisory Council (NASAC) had a booth which created an opportunity for students to meet and greet with each other as well as NASAC members during the poster socials and opening reception. The noon-time seminars had a good student turnout. Valery Forbes from the University of Nebraska lead an interactive workshop entitled “Do you have what it takes to network successfully?” The other seminar included a panel of researchers from the Sustainable Nano group at the University of Wisconsin-Milwaukee that presented “Blogging about science: Sharing your data in a new way”.

During the NASAC assembly meeting, the success of the student events at Nashville was discussed and ideas for future initiatives were gathered. A new initiative put forth by the SNA BoD and NASAC was to hold the first NASAC-sponsored professional training course: “Social and Professional Networking Tools for Science Communication.” The instructors offered an informative course that included lectures as well as hands-on activities about Facebook, LinkedIn, Twitter, ResearchGate and Mendeley. The course also included information about social media demographics and a discussion of privacy issues, practical issues and cautionary information. Inspired by the meeting’s theme — Harmonizing Science Across Disciplines, NASAC organized its first Student Song Contest in addition to its Annual Student Art Contest.

CPRC members met during the annual open board meeting at Nashville and received updates on the chapter’s recent accomplishments and ways to get involved. Every year CPRC supports students who plan to present a poster or a platform at the annual SETAC meeting by offering travel expense awards. This year’s recipients, William J. LaBarre, Hilda Fadaei Khoei and Huan Xia, were recognized during the meeting.

2013 NASAC Art Contest Winner

Katie Albanese (The Ohio State University) 10"x10" acrylic on canvas

This painting follows the theme of the meeting through its depiction of a cowboy tuning six disciplines (education, industry, government, toxicology, chemistry and health) to be harmonious, so all six strings will work together and have input into the overall song/results.
Society for Risk Analysis  
Dose Response Specialty Group

2014 SRA Student Merit Award  
Dose-Response Assessment

NOTICE TO ALL STUDENTS AND GRADUATE STUDENT PROGRAMS

The Dose-Response Specialty Group (DSRG) of the Society for Risk Analysis (SRA) is pleased to offer a merit award to a student conducting graduate research in dose-response assessment. The research may be on any topic broadly related to dose-response assessment, including but not limited to: laboratory investigation, methods development, comparative analyses, novel applications, studies on strengthening the role of dose-response assessment in risk assessment, uncertainty analysis, harmonization, dosimetry, genetics, molecular biology, and PBPK modeling. In addition to the peer recognition of your scientific accomplishment, the award includes a registration fee waiver to the SRA Annual Meeting, a plaque, and a $500 honorarium. Attendance and presentation of the paper (poster or platform format) at the SRA Annual Meeting is required to be eligible for the award.

The award is merit based and competitive. The DSRG Executive Committee will rely on the following criteria to evaluate submissions:
1. Relevance of the topic to dose-response in the broadest sense.
2. Originality of the research.
3. Significance of the conclusions toward advancement of a principle, line of research, or the field as a whole.
4. Breadth of the inquiry and degree of complexity of procedures and analyses.
5. Quality of the extended abstract (clarity, logic, organization).
6. Submission to, publication in, or publishable in a peer reviewed journal.

All abstracts must be submitted for presentation at the 2014 SRA Annual Meeting, on December 7-10 in Denver, CO, following normal SRA guidelines for abstract submission (see link http://www.sra.org/events/sra-2014-annual-meeting for more information). Examples of previous award winning abstracts can be found on our web page at http://www.sra.org/drs/g/previous-student-awardc.

By May 21, 2014:
- Applicants must submit their abstracts using the individual abstract form on the SRA annual meeting online submission website at http://www.sra.org/events/sra-2014-annual-meeting.
- Designate the DRSG as the Primary Specialty Group on their form.
- Complete the SRA student travel and/or merit award request form.
- All applicants for the DRSG merit award may simultaneously apply for the SRA student travel award using the student travel and/or merit award request form.
- In addition to the individual abstract, the award request form specifies submission of an extended abstract (900 - 1,000 words in length) that provides further detail about the work the student proposes to present.

Questions concerning the DRSG award procedures should be addressed to:  
Sarah Kobylewski, Ph.D., Vice-Chair, DRSG (http://www.sra.org/drs/)  
AAAS Fellow at U.S. EPA, OSA; Phone: (202) 564-6429; E-mail: Kobylewski.sarah@epa.gov
Argentina

David J. Kent, Science Traveler

I’ve recently returned from a science traveling expedition to Argentina. The trip was an incredible experience, one that I’ve written about on my Science Travel website (www.davidjkent-writer.com). A few days in a very wet Buenos Aires, and two weeks driving more than 3500 kilometers around Patagonia, taught me that there is science everywhere. And that fact provides an amazing opportunity to reach out both to other scientists and to the public.

For example, I learned all about drinking mate (pronounced MAH-Tay), the tea-like infusion that is as much about social bonding as it is about refreshment. I learned about how the ice age built many mountain lakes while the magnificent Andes Mountains are largely the product of plate tectonics and the resulting volcanism. And I learned that Argentina has many of the same ecoregions as the United States.

My starting point for the road trip was Bariloche, in the northernmost province of Patagonia. Bariloche boasts two amazing geological features – tall mountains and deep lakes. The views were extraordinary. From here we drove south along the Andes, the beautiful scenery slowly changing as the mountains lowered and the scrubland began to surround us. As did the gravel roads. Next time you find yourself complaining about a few bumps in the pavement, remind yourself that on this trip much of the main highway (Ruta 40) in Patagonia is gravel.

Notwithstanding road conditions, we passed through some of the most beautiful sites on Earth. The amazing colors of the rocky desert and the Cueva de los Manos (Cave of the Hands), the roving bands of choiques (ostrich-like birds) and guanacos (llama-like camelids), the dominating peak of Mount Fitz Roy, and the pièce de résistance, the Perito Moreno glacier. It was a science traveling trip to remember.

Join me at the CPRC Annual Spring meeting, where I’ll be talking more about the science of Argentina and how it relates to communicating the science of CPRC. And check out my website at www.davidjkent-writer.com to see many more photos and stories about the trip.
Cueva de las Manos, Río Pinturas
Patagonia Region, Santa Cruz Province

Perito Moreno Glacier, Los Glaciares National Park
Patagonia Region, Santa Cruz province

Mount Fitz Roy, Southern Patagonian Ice Field
near El Chaltén village, Argentine-Chilean border
CHESAPEAKE BAY SHORELINE
RESTORATION AND CARBON OFFSET PROJECT

Rejina Sharma and Lawrence Malizzi, PG, Matrix New World Engineering, Inc.

We are pleased to provide the status update on the Bay Shoreline Restoration and Pilot Carbon Offset Project. The Project will use an innovative restorative technology called Bay Saver Bags\(^1\), to stabilize / restore approximately 160 linear feet of the Chesapeake Bay shoreline at the Chesapeake Bay Environmental Center (CBEC; formerly Horsehead Wetlands Center) in Grasonville, Queen Anne's County, Maryland. (Refer to the Fall 2013 CPRC SETAC newsletter for Project details and the Bay Saver Bags restoration approach, \[http://cprcsetac.files.wordpress.com/2013/11/cprc_fall-newsletter_20132.pdf\].)

\(^1\) The Bay-Saver Bag is a product of the Restore the Earth Foundation (REF). It uses the EKO Bag\(^\circ\) concept and contains a biodegradable, self-contained package of custom mixed soil with composted humus amendments to support, feed, and stabilize the native plants that are installed in the bags.
During the SETAC North America 34th Annual Meeting in Nashville in November, 2013, the Project Team presented a poster describing project details and updates (see photo below). In addition, a Tidal Wetlands License application for the Project was submitted to the Maryland Department of Environment (MDE) Tidal Wetlands Division in December of 2013. The application is currently under the Tidal Wetlands Division’s review. We anticipate receiving the License in this March, and plan for the planting on April 27, 2014.

As referenced in the prior newsletter, the Project methodology will involve installing a double row of Bay-Saver Bags planted with three seedlings (per bag) of smooth cordgrass (*Spartina alterniflora*), a native marsh grass. An accurate estimation of carbon credit potential will be provided following the implementation and first year of restoration monitoring. Pursuant to the MDE Tidal Wetlands Division permit conditions, the site will require five years of monitoring ensuring 85% plant survival.

While focusing on environmental education and sustainability, this Project will engage Regional Chapter members, the CBEC LIFE volunteers, students and the local community to place the bags along the shoreline and plant the *S. alterniflora* seedlings in each bag, as well as monitor the technology's effectiveness over a five year period. It will also contribute to the local economy by purchasing plants, food for the volunteers and supplies from local vendors.

**We received the permit to install Bay Saver Bags during the CPRC Annual Meeting. We will be planting at 9am at the Chesapeake Bay Environmental Center parking lot on Sunday, April 27, 2014. (“Day On The Bay” of CPRC SETAC Annual Spring meeting)**

**Mark Your Calendars!**
SETAC-NA in Nashville, November 17-21, 2013

David J. Kent, Science Traveler

I expected country music and a few southern twangs in Nashville, but waterfalls in the lobby? Absolutely! SETAC-North America held its 34th Annual Meeting in the vast Gaylord Opryland Hotel complex from November 17-21, 2013. The Gaylord is a meandering set of diverse habitats with different themes, almost an amusement park atmosphere but with waterfalls, fountains, a river, and an adjoining convention center.

SETAC’s theme was “Harmonizing Science Across Disciplines” and the choice of keynote speakers reflected this – Susan Sharkey of EPA talking about hydraulic fracturing (aka, fracking), Paul Anastas of Yale on green chemistry, and William Purcell, a former Mayor of Nashville, on the next generation of environmental leadership. Adding to the usual format of sprinting between at least ten concurrent technical sessions to catch the hottest papers, SETAC included a wide variety of short courses, special poster sessions, and business meetings.

The exhibit hall was kept hopping with over 60 exhibitors, which are always great for both job hunting and the toys, pens, doodads, and doohickeys needed to weigh down your luggage on the return trip. The hall was also the location for the posters and the nightly poster socials, where the science always sounds more intriguing while you’re balancing a beer in one hand, a plate of hors d’oeuvres in the other, and thoughts of how you’re going to use the fork in your mind. [Forget shaking hands at this point.] SETAC’s annual silent auction featured many great items on which people bid, with proceeds going to support student programs. I was happy to see my donation (a signed copy of my book Tesla: The Wizard of Electricity), garner 10 bids.

The trademark Tuesday dinner social was held at the famous (or infamous) Wildhorse Saloon, where even the most die-hard lab rats could be coaxed out on the floor to line-dance with 100 friends and strangers.

CPRC was well represented at SETAC. On Tuesday we held our chapter meeting, and CPRC’s members often
also have leadership roles on various SETAC committees and advisory groups, so if you’re interested in volunteering your time please talk to anyone on the Board.

As always, the annual SETAC meeting offered a great combination of professional development, social networking, and a wonderfully credible excuse to get out of the office for a week. CPRC will again be active in the next SETAC-NA meeting, to be held November 9-13 in Vancouver. We hope to see you there. But first – we’ll see you April 27-28, 2014 at the annual CPRC meeting at the Chesapeake Bay Environmental Center!

For those who got lost in Opryland on the way to the CPRC meeting at SETAC-NA 2013

David J. Kent, Science Traveler

The Chesapeake-Potomac Regional Chapter (CPRC) of SETAC held an in-person meeting on November 19, 2013 during the annual SETAC meeting in Nashville, TN. As always we get a chance to engage in the kind of open discussions that are not generally possible during our monthly Board calls.

We began by reiterating the accomplishments for 2013, which included producing the CPRC newsletter and our annual meeting held in the spring. Much of what we accomplished was a behind-the-scenes restructuring of the chapter. Among them was the creation of a Communications Steering Committee that completely revamped our CPRC website, along with our Facebook, LinkedIn, and Twitter social media sites. Look for more opportunities for members to post on these in 2014. We also set up a Student Outreach Steering Committee. One idea was to follow through on a winter dinner meeting. Natalie Karouna-Renier helped identify a guest speaker, arranged for a meeting location, and the dinner meeting was held at University of Maryland College Park in February 2014. See separate story for details.

During the November meeting we also discussed openings for new Board positions. The response was exceptional. In December we held elections and Elyssa Arnold was selected as the new Vice-President (joining Brad Pratt as the new President), and Laura Robertson (Shepherd University, WV) and Lance Yonkos (Univ. MD, College Park) joined the CPRC Board. The Board, with special emphasis by the new academic members in collaboration with the Student Outreach and Communication Steering Committees, were tasked with further developing our outreach activities. Outreach means talking to the academic community as well as industry, government, and non-profit groups. You’ll be hearing more about CPRC’s outreach efforts as the year progresses.

With that in mind, the Annual CPRC Spring Meeting will be held on April 28, 2014 at the Chesapeake Bay
Environmental Center. Part of our outreach includes successfully obtaining SETAC and private funding for a carbon offset project, and that project – spearheaded by our own Larry Malizzi and Rejina Sharma, will take place on Sunday, April 27th. See the separate notice for details and volunteer opportunities for the event. See you at CBEC!

**2014 CPRC Winter Dinner**

Natalie Karouna-Renier, USGS Patuxent Wildlife Research Center

On February 20, 2014, CPRC held its annual Winter Networking Dinner at Adele's Restaurant in the University of Maryland Stamp Student Union. We had a large turn-out of students and professionals for a few hours of science and networking. After a great dinner and dessert, and brief introductions by the current CPRC president, Brad Pratt, and myself, as the primary organizer of the event, the group heard an informative presentation by featured speaker Dr. Donald Weber, Research Entomologist & Lead Scientist at the USDA Agricultural Research Service, Invasive Insect Biocontrol & Behavior Laboratory. Here is a link to a summary of Dr. Weber's research ([http://www.ars.usda.gov/pandp/people/people.htm?personid=30842](http://www.ars.usda.gov/pandp/people/people.htm?personid=30842)).

Dr. Weber's talk was titled "Pesticides and Alternatives for our Region: Lightening the Load" and he gave an overview of some up and coming environmentally-friendly strategies for pest management in field and vegetable crops, and counter trends. He presented some new and interesting research on integrated pest management solutions to the invasive brown marmorated stink bug (*Halyomorpha halys*) which utilizes species specific pheromone traps. The fascinating presentation was interspersed with numerous close-ups of beneficial insects and pest species that are found in Maryland, DC, Virginia, and West Virginia. As part of the presentation Dr. Weber provided a survey for audience members to identify the top ten environmental problems facing our country and the world and, not surprisingly, with a room full of environmental scientists there were some clear opinions!

Overall this was a fantastic evening of science, camaraderie, networking and good food. If you missed this event connect with CPRC through our website, blog, Facebook or Twitter to hear about other upcoming events like this. Special thanks to Dr. Weber!

**Coming Soon...**

**SETAC North America 35th Annual Meeting**

*Sea to Sky - Interconnecting Ecosystems*

9-13 November 2014, Vancouver, British Columbia

Sponsorship Request

On behalf of the membership of the Chesapeake Potomac Regional Chapter (CPRC) of the Society of Environmental Toxicology and Chemistry (SETAC), the CPRC Board of Directors are asking for your support as a Corporate/Organizational Sponsor for 2014. The benefits of sponsorship are substantial, and include (but are not limited to): fostering interaction among members (both professionally and socially), hosting scientific meetings and social events, writing and distributing a biannual newsletter, maintaining and updating our website, and funding student awards that encourage and promote research and professional development of our student members. Your support would play a key role in maintaining these activities, and help us achieve our goal of expanding the size of CPRC and the range of benefits that we can offer.

We offer two formal levels corporate sponsorship: Sustaining and Associate. The benefits of each are summarized below. We also welcome and recognize sponsorships focused on specific areas (for example, a student travel award) and smaller level contributions.

### 2014 ANNUAL CPRC CORPORATE SPONSORSHIP CATEGORIES

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<th>Sustaining ($500+)</th>
<th>Associate ($250)</th>
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<td>Logo displayed in CPRC newsletter and meetings</td>
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<td>Complimentary CPRC meeting registration</td>
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To become a sponsor, please remit payment (checks payable to CPRC SETAC) and your company name and contact information to: CPRC SETAC
P.O. Box 153
Severn, MD 21144
Attn: Matthew Behum, Treasurer

Matthew Behum, Treasurer (treasurer.cprc.setac@gmail.com) can answer any additional questions.
Integral Consulting Inc. is a national science and engineering firm providing multidisciplinary services in the fields of health, environment, technology, and sustainability.

We are currently seeking highly motivated individuals for the following positions to support our growing environmental practice on the East Coast:

- Senior-level Toxicologist
- Junior- and Mid-level Toxicologists/Human Health Risk Assessors
- Senior-level Ecological Risk Assessor
- Junior- and Mid-level Ecological Risk Assessors
- Mid-, Senior-, and Principal-level Engineers
- Mid- and Senior-level Geologists
- Mid-, Senior-, and Principal-level Hydrogeologists

**Why work for Integral?**

**Technically Stimulating**
Every day, our staff is involved in a diverse range of projects for a variety of clients—applying skills and making recommendations that lead to positive change.

**Unique Collaboration**
The Integral name reflects our very purpose: To gather teams of professionals with distinctly different yet complementary skills, and to apply their integrated knowledge and perspective in ways that surpass our clients’ expectations.

**Supportive Environment**
Outstanding benefits include company-subsidized medical, dental, and vision plans, company-paid life and short- and long-term disability insurance, a 401(k) plan and company match, flexible spending accounts (cafeteria plan), health club reimbursement of $20 per month, and vacation/sick leave.

*For more information, please visit our website at www.integral-corp.com/careers*
Exponent’s Ecological and Biological Sciences and Health Sciences practices include staff from diverse scientific, regulatory, engineering, and medical backgrounds. Our regulatory and scientific consultants and food/nutrition specialists have extensive experience in: U.S and global pesticides; industrial chemical and food regulatory support; litigation support; human and environmental hazard; exposure and risk assessment; and food science and nutrition.

With a full-time staff of more than 800 located in 20 U.S. and 5 international offices, Exponent’s consultants help our clients solve complex and challenging problems.

Our Chemical Regulation and Food Safety Support Services Include:

- Task force/consortium and project management
- Dietary and nutritional modeling and risk impact assessment
- Evaluation of available data, literature compilation and review, and data gap analysis
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