15th RAILROAD ENVIRONMENTAL CONFERENCE

5-6 November 2013

Program

RAILTEC
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

American Short Line and Regional Railroad Association
American Railway Engineering and Maintenance of Way Association
Railway Association of Canada
Association of American Railroads
NURail Center
Supporters 2013
We wish to recognize and thank our Railroad Environmental Conference - 2013 Supporters. Their financial support is an essential component in making this event a success.

Distinguished Supporter:

15 Year Supporters:

Kennedy/Jenks Consultants
Engineers & Scientists

10+ Year Supporters:

URS
amec
CRA

TestAmerica
The Leader in Environmental Testing

Golder Associates

TRC

Pace Analytical

HULCHER & Associates

CB&I

CTEH
Center for Toxicology and Environmental Health, LLC
**Conference Overview and Featured Events**

**Tuesday, November 5th, 2013**

<table>
<thead>
<tr>
<th>Event</th>
<th>Time</th>
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<tbody>
<tr>
<td>Continental Breakfast</td>
<td>7:00am - 9:00am</td>
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<tr>
<td>Registration Open</td>
<td>7:00am - 5:30pm</td>
</tr>
<tr>
<td>Presentation Sessions</td>
<td>8:00am - 11:55am</td>
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</tbody>
</table>

**AAR Environmental Excellence Award (Illini Room A)**

Robert Fronczak  
**Assistant Vice President, Environment and Hazardous Materials - AAR**

Luncheon and Supporter Acknowledgement (room 314)  
12:00pm - 1:25pm

Presentation Sessions  
1:25pm - 5:25pm

Reception/Poster Presentations (Illini Union South Lounge)  
5:25pm - 6:45pm

**AREMA COMMITTEE 13 BANQUET**  - Illini Union Ballroom - 2nd Floor

Reception and Banquet  
6:45pm

**AREMA Banquet Speaker:**

Normand Pellerin  
**Assistant Vice President - Environment & Sustainability - CN**

“Integration of Sustainability in Railroad Operating Practices”

**Wednesday, November 6th, 2013**

<table>
<thead>
<tr>
<th>Event</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>AREMA Committee 13 meeting</td>
<td>7:00am - 8:00am</td>
</tr>
<tr>
<td>Continental Breakfast</td>
<td>7:00am - 9:00am</td>
</tr>
<tr>
<td>Registration Open</td>
<td>7:00am - 5:15pm</td>
</tr>
<tr>
<td>Presentation Sessions</td>
<td>8:00am - 11:50am</td>
</tr>
<tr>
<td>Luncheon (Illini Union Ballroom - 2nd Floor)</td>
<td>11:50am - 1:30pm</td>
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</tbody>
</table>

**KEYNOTE Speaker:**

Carlos Roig  
**Executive Vice President - Media and Content Strategy - Home Front Communications**

“Own Your Media: How Digital Strategy Moves the Message”

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<thead>
<tr>
<th>Event</th>
<th>Time</th>
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<tbody>
<tr>
<td>Presentation Sessions</td>
<td>1:30pm - 5:30pm</td>
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<td>Adjourn</td>
<td>5:30pm</td>
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</table>

**Thursday, November 7th, 2013**

Conceptual Site Models Workshop**

8:00am - 5:00pm

*advance registration needed for AREMA banquet

**advance registration needed for Conceptual Site Models Workshop**

**Technical Session Schedule (some sessions are concurrent)**

**Tuesday**

<table>
<thead>
<tr>
<th>Session</th>
<th>Time</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>Plenary Session</td>
<td>8:10am - 10:15am</td>
<td>Illini Room A</td>
</tr>
<tr>
<td>Sustainability</td>
<td>10:35am - 1:45pm</td>
<td>Illini Room 210, Illini Room A</td>
</tr>
<tr>
<td>Stormwater &amp; Wastewater</td>
<td>10:35am - 11:35am</td>
<td>Illini Room A</td>
</tr>
<tr>
<td>AAR Environmental Excellence Award</td>
<td>11:35am - 12:00pm</td>
<td>Illini Room A</td>
</tr>
<tr>
<td>Stormwater &amp; Wastewater Panel</td>
<td>1:45pm - 2:25pm</td>
<td>Illini Room A</td>
</tr>
<tr>
<td>Environmental Response &amp; Emergency Planning</td>
<td>1:25pm - 2:05pm</td>
<td>Illini Room 210</td>
</tr>
<tr>
<td>Environmental Analytical Issues</td>
<td>2:25pm - 3:25pm</td>
<td>Illini Room A</td>
</tr>
<tr>
<td>Energy, Emission, &amp; Air Quality</td>
<td>2:05pm - 3:05pm</td>
<td>Illini Room 210</td>
</tr>
<tr>
<td>Risk &amp; Liability Management</td>
<td>3:45pm - 5:25pm</td>
<td>Illini Room A</td>
</tr>
<tr>
<td>Environmental Planning of Passenger &amp; Freight Rail Projects</td>
<td>3:45pm - 5:25pm</td>
<td>Illini Room 210</td>
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**Wednesday**

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<thead>
<tr>
<th>Session</th>
<th>Time</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>Petroleum Transportation Session</td>
<td>8:00am - 9:50am</td>
<td>Illini Room A</td>
</tr>
<tr>
<td>Remediation</td>
<td>10:10am - 5:30pm</td>
<td>Illini Room A</td>
</tr>
<tr>
<td>Environmental Management Information Systems</td>
<td>10:10am - 11:30am</td>
<td>Illini Room 210</td>
</tr>
<tr>
<td>Noise &amp; Vibration</td>
<td>1:30pm - 3:10pm</td>
<td>Illini Room 210</td>
</tr>
<tr>
<td>Compliance &amp; Permitting</td>
<td>3:30pm - 5:30pm</td>
<td>Illini Room 210</td>
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</tbody>
</table>
### Illini Union - Room A

**Plenary Session (room A)**

*Moderator: Ken Rose - OmniTRAX*

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:00</td>
<td>Welcome and Introduction</td>
<td>Illini Union - Room A</td>
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<tr>
<td></td>
<td>Christopher Barkan - Professor and Director of RailTEC University of Illinois at Urbana-Champaign</td>
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<tr>
<td>8:10</td>
<td>Railroad Fuels 104: Natural Gas</td>
<td>Illini Union - Room 210</td>
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<tr>
<td>8:35</td>
<td>Environmental Issues Affecting the Association of American Railroads and North American Rail Industry</td>
<td>Illini Union - Room A</td>
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<tr>
<td></td>
<td>Robert Fronczak - Association of American Railroads</td>
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<tr>
<td>9:00</td>
<td>Human Health Risk Assessment Techniques to Support the Establishment of Cleanup Target Levels for Infrequently Spilled Compounds</td>
<td>Illini Union - Room A</td>
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<td></td>
<td>Barbara Pugh, Brian Magee, and Andrew McManus - ARCADIS</td>
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<td></td>
<td>Raghu Chatrathi - CSX Transportation, Inc.</td>
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<tr>
<td>9:25</td>
<td>Geographic Response Plans for River and Coastal Railroad Corridors (A Risk Management Tool)</td>
<td>Illini Union - Room A</td>
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<td></td>
<td>Nic Winslow - BNSF Railway</td>
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<td>Colin McWilliams - Kennedy/Jenks Consultants</td>
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<tr>
<td>9:50</td>
<td>State Regulators Perspective on Greener Clean-Ups</td>
<td>Illini Union - Room A</td>
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<td></td>
<td>Heather Nifong - EPA</td>
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</tbody>
</table>

**Stormwater & Wastewater (room A)**

*Moderator: Melissa Godlewski - Kennedy/Jenks*

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>10:05</td>
<td>Whose Blood is on the Cutting Edge of Innovative Technologies?</td>
<td>Illini Union - Room B</td>
</tr>
<tr>
<td></td>
<td>J. Gregory Menniti - Geosyntec Consultants, Inc.</td>
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<tr>
<td></td>
<td>John C. Calhoun and Mike Casadonte - CSX Transportation, Inc.</td>
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<tr>
<td>10:55</td>
<td>Stormwater Challenges and Solutions for Intermodal Facilities</td>
<td>Illini Union - Room A</td>
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<tr>
<td></td>
<td>Ross W. Dunning, P.E. - Kennedy/Jenks Consultants</td>
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**AAR Environmental Excellence Awards (room A)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>11:15</td>
<td>Negotiations and Challenges to Revise NPDES Permit Limits for Copper and Ammonia</td>
<td>Illini Union - Room A</td>
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<tr>
<td></td>
<td>Ed Copeland - ARCADIS</td>
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<tr>
<td></td>
<td>David Lefler, C. Russell McDaniel and Matthew Gerndt - Norfolk Southern Corporation</td>
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<tr>
<td>11:35</td>
<td>AAR Environmental Excellence Award</td>
<td>Illini Union - Room A</td>
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<td></td>
<td>Robert Fronczak - Association of American Railroads</td>
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</tbody>
</table>

**LUNCH and Supporter Acknowledgement - Illini Union Ballroom (2nd Floor)**
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Location</th>
<th>Abstract</th>
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</thead>
<tbody>
<tr>
<td>1:25</td>
<td>Waste - Still Opportunities After All These Years?</td>
<td>Illini Union - Room A</td>
<td>Bob Toy - Union Pacific</td>
</tr>
<tr>
<td>1:45</td>
<td>Stormwater &amp; Wastewater Panel</td>
<td>Illini Union - Room A</td>
<td>Stormwater &amp; Wastewater Panel Discussion</td>
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<tr>
<td></td>
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<td>Robert Bukowski, Petr Masopust, Danielle Ahern - AMEC</td>
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<td>Robert Graham - Amtrak</td>
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<td>MikeCliff - BNSF</td>
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<td>Curtis Barz - CN</td>
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<td></td>
<td>John McNair, David Bice, Edward Quiroz and Sashi Aburri - ARCADIS</td>
</tr>
<tr>
<td>2:05</td>
<td>Environmental Analytical Issues</td>
<td>Illini Union - Room A</td>
<td>Analysis Techniques to Reduce the Positive Bias Associated with DRO Analysis Results</td>
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<td></td>
<td>Jennifer Lewis, Charles Neslund and Robert Brown - Eurofins / Lancaster Laboratories, Inc</td>
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<tr>
<td>2:25</td>
<td>How Improper Field Sample Collection, Preservation, Shipment, and Storage Issues Can Affect Your Data</td>
<td>Illini Union - Room B</td>
<td>Verification Testing of the Diesel Particulate Control System on a NREC 3GS21B Gen Set Locomotive</td>
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<td>Rutfi Forman and Rock Vifule - Environmental Standards, Inc.</td>
</tr>
<tr>
<td>2:45</td>
<td>Real-time Kerosene and Diesel Fuel Footprint Differentiation using LIF-UVOST™ Waveform Signature Analysis</td>
<td>Illini Union - Room B</td>
<td>Liabilities Reduction through Creation of a Lease Review Program</td>
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<td>Curtis Barz - CN</td>
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<td></td>
<td>Michael Wolf, Barry Harding, Shea Muller and Lori VanderKam - AECOM</td>
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<tr>
<td>3:05</td>
<td>Risk &amp; Liability Management</td>
<td>Illini Union - Room A</td>
<td>Environmental Planning of Passenger &amp; Freight Rail Projects</td>
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<td></td>
<td>Passenger Rail Environmental Issues Panel</td>
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<td>Ilana Ivanciu and Steven Eget - Dewberry</td>
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<td>Angelo Elmi - New York City Transit</td>
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<td>Theresa McClure - HDR Engineering</td>
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<td>Amanda Martin - Iowa DOT</td>
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<td>Gerald Obert - New Jersey Transit Corporation</td>
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<td>Cristian Nieto-Franco and Gary Walker</td>
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<td>Hatch Mott MacDonald</td>
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<td>3:25</td>
<td>BREAK - Illini Union Room B</td>
<td>Illini Union - Room B</td>
<td>Passenger Rail Environmental Issues Panel</td>
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<tr>
<td>3:45</td>
<td>Planning Capital Upsgrade Events through Inspections</td>
<td>Illini Union - Room B</td>
<td>Environmental Audits of “Trans-load” Activities</td>
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<td>Norman Parker - Parker &amp; Associates, Inc</td>
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<td>Erika Akkerman - CN</td>
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<td>4:05</td>
<td>Land Use Controls through Constructed Wetlands/Wildlife Habitat and Long-Term Conservation; Preferred Land Use of a Residential Coastal Community on the Pascagoula River, MS</td>
<td>Illini Union - Room B</td>
<td>Perspectives on Passenger Rail Service Development Panel</td>
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<td>Jeff Becker and Joe Shisler - ARCADIS</td>
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<td>Matthew Adkins - CSX Transportation, Inc</td>
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<td>4:25</td>
<td>environmental Audits of “Trans-load” Activities</td>
<td>Illini Union - Room B</td>
<td>passenger Rail Environmental Issues Panel</td>
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<td>Norman Parker - Parker &amp; Associates, Inc</td>
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<td>Erika Akkerman - CN</td>
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<td>4:45</td>
<td>Fuel Ethanol: Guideline for Release Prevention &amp; Impact Mitigation</td>
<td>Illini Union - Room B</td>
<td>Perspectives on Passenger Rail Service Development Panel</td>
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<td>Jim Holland - Pinnacle Engineering</td>
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<td>5:05</td>
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<td></td>
<td>Wynne Davis - Federal Railroad Administration</td>
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<td>Amanda Martin - Iowa Department of Transportation</td>
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<td>Judy Mitchell - Canadian Pacific</td>
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<td>5:25</td>
<td>Poster Presentation Reception - Illini Union South Lounge</td>
<td>Illini Union - Room B</td>
<td>“Integration of Sustainability in Railroad Operating Practices”</td>
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<tr>
<td>5:45</td>
<td>AREMA Committee 13 Banquet - Illini Union Ballroom - 2nd floor</td>
<td>Illini Union - Room B</td>
<td>“Integration of Sustainability in Railroad Operating Practices”</td>
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<tr>
<td>Time</td>
<td>Illini Union - Room A</td>
<td>Illini Union - Room 210</td>
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<tr>
<td>7:00</td>
<td>AREMA Committee 13 Meeting <em>(Room 407)</em></td>
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<td></td>
<td><strong>Plenary Session</strong> <em>(room A)</em></td>
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<td>Moderator: Scott Keating - GEI Consultants, Inc.</td>
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<td>8:00</td>
<td><strong>Special Session Environmental Considerations for Rail Transport of Petroleum Crude</strong></td>
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<td>Normand Pellerin - CN</td>
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<td>Robert Fronczak - Association of American Railroads</td>
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<td>John Kind - CTEH</td>
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<td>Devin Sprinkle - CN</td>
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<td>Grete Bridgewater - Canadian Pacific</td>
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<td>David Poole - Dillon Consulting</td>
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<td>John Lovenburg - BNSF Railway</td>
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<td>9:50</td>
<td><strong>BREAK - Illini Union Room B</strong></td>
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<td>10:00</td>
<td><strong>Remediation</strong> <em>(room A)</em></td>
<td><strong>Environmental Management Information Systems</strong> <em>(room 210)</em></td>
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<td></td>
<td>Moderator: Martina Schlauch Jones - ARCADIS</td>
<td>Moderator: Joanne Maxwell - Amtrak</td>
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<tr>
<td>10:10</td>
<td>Increasing the Bottom Line and Decreasing Risk – A Next-Generation Programmatic Approach to Managing Storm Water, Wastewater, and Water</td>
<td>PTC and Other Wireless Communication Towers - Developing a Programmatic Approach for NEPA Screenings for Large Numbers of Sites</td>
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<td></td>
<td>Stephen Tew - Progress Rail Services Company</td>
<td>Jay Diebold, Joseph Mion and Robert Sutcliffe</td>
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<td>Jason Carter - ARCADIS</td>
<td>Golder Associates, Inc.</td>
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<td>Stella Karnis, Kari Harris and Dale Hein - CN</td>
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<tr>
<td>10:30</td>
<td>Evaluation of Monitored Natural Attenuation to Optimize a Sampling Program at a Chlorinated Solvent Site</td>
<td>Modernizing the Environmental Liability Management Platform: A Business Case</td>
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<td>Elizabeth Cohen and Lauren Alkidas - ARCADIS</td>
<td>Stella Karnis - CN</td>
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<td>Paul Kurzanski - CSX Transportation, Inc.</td>
<td>Roger Well - ENFOS, Inc.</td>
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<td>Michele Gurgas, Jackson Parker and Michelle Rumler - ARCADIS</td>
<td>Graeme Dykes - Enviance</td>
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<td></td>
<td>Paul Kurzanski - CSX Transportation, Inc.</td>
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<tr>
<td>11:10</td>
<td>Multiple Lines of Evidence for Assessing Product Recovery to the Maximum Extent Practicable</td>
<td>Rapid Deployment of Tablet Computers for Field Data Collection</td>
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<td>Greg Landers and Keith Piontek - TRC Environmental Corporation</td>
<td>Robert Sproles and Mark Murphy</td>
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<td>Chris Fitzgerald - BNSF Railway</td>
<td>Conestoga Rovers &amp; Associates</td>
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<td>Geoff Reeder - Union Pacific Railroad</td>
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<td>11:30</td>
<td>Evaluation of Natural Source Zone Depletion Using Temperature and Carbon Dioxide Flux: a Case Study</td>
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<td>Steven Gaito and Jonathon Smith - ARCADIS</td>
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<td>Paul J. Kurzanski - CSX Transportation, Inc.</td>
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<tr>
<td>11:50</td>
<td><strong>LUNCH - Illini Union Ballroom (2nd Floor)</strong></td>
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<td></td>
<td>Carlos Roig - Executive Vice President - Media and Content Strategy - Home Front Communications</td>
<td>Own Your Media: How Digital Strategy Moves the Message</td>
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<tr>
<td>Time</td>
<td>Room A</td>
<td>Room 210</td>
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<tr>
<td>1:30</td>
<td><strong>Remediation con’t (room A)</strong></td>
<td><strong>Noise &amp; Vibration (room 210)</strong></td>
<td></td>
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<tr>
<td></td>
<td>Moderator: Geoff Reeder - Union Pacific</td>
<td>Moderator: Betsy Beauchamp - TestAmerica</td>
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<tr>
<td>1:50</td>
<td><strong>The Story of a Drainage Ditch: From Iron Staining to PCBs to Mother</strong></td>
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<td>Nature</td>
<td><strong>Under Tie Pads and Their Effect on Track Stability, Ballast</strong></td>
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<td>Paul Kurzanski - CSX Transportation, Inc.</td>
<td><strong>Degradation and Ground-Borne Noise Levels in</strong></td>
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<td>Bertisabel Custer and Todd McFarland - AMEC</td>
<td><strong>Special Trackwork</strong></td>
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<td>2:10</td>
<td><strong>Barrier Walls Design and Implementation – Lessons Learned</strong></td>
<td><strong>FCM/RAC Proximity Initiative</strong></td>
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<td>from Life in the Trenches</td>
<td><strong>Tools for Assessing Noise Impact from Freight Rail Operations</strong></td>
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<td>Teresa Fischer and David Kotte - Geosyntec Consultants, Inc.</td>
<td><strong>Lawe Meister - Cross-Spectrum Acoustics LLC</strong></td>
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<td>2:30</td>
<td><strong>A Review of State LNAPL Guidance – Changes are Coming</strong></td>
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<td>Trecre Andrews - AECOM</td>
<td><strong>The Correlation Between Maximum Mean Sound Level per Hour</strong></td>
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<td>Stella Karnis - CN</td>
<td><strong>and Equivalent Sound Level per Hour for Taiwan High Speed</strong></td>
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<td>2:50</td>
<td><strong>Use of Above-Ground Resistivity Mapping to Identify NAPL Migration</strong></td>
<td><strong>Train Noise</strong></td>
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<td>Pathways</td>
<td>Yun-chung Lee, Ming-kun Tseng, and Yao-sen Chen</td>
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<td>Jeff Gentry and Donna Lautermilch - CH2M HILL</td>
<td>Taiwanese High Speed Rail Corporation (THSRC)</td>
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<td>3:10</td>
<td><strong>BREAK - Illini Union Room B</strong></td>
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<td>3:30</td>
<td><strong>Remediation con’t (room A)</strong></td>
<td><strong>Compliance &amp; Permitting (room 210)</strong></td>
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<td>Moderator: Chuck Cline - Cardno and Kevin Keller - HDR</td>
<td>Moderator: Leo Thorbecke - AECOM</td>
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<td>3:50</td>
<td><strong>Vapor Intrusion Investigations – Best Practices for the Evaluation</strong></td>
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<td>of Soil Gases at a Rail Yard Site</td>
<td><strong>Can the Valley Elderberry Beetle Derrail Capacity Improvement Funding</strong></td>
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<td>Michael Lawrence and Alex Hibbard - TRC Environmental Corporation</td>
<td>Jeffry Rice - URS Corporation, Michael Stanfill - BNSF Railway</td>
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<td><strong>A Case Study Example: No Further Action at a Tank Car Spill Site in</strong></td>
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<td>Rural Michigan</td>
<td><strong>Building a Strategic Environmental Audit Scoring System</strong></td>
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<td>Curtis Barță - CN</td>
<td>Amber Moore and Craig Caldwell - Amtrak</td>
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<td>4:30</td>
<td><strong>Future Land Use and Sustainable Remediation at the Sydney Tar Ponds:</strong></td>
<td><strong>Sustainability - Wetland Permitting Delays Turned Into a Project and</strong></td>
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<td>A Case Study and Lessons Learned on Adaptive Remedial Design</td>
<td><strong>Environmental Gain</strong></td>
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<td>4:50</td>
<td><strong>Using LNAPL Transmissivity to Make Smart Decisions about LNAPL</strong></td>
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<td>Recovery</td>
<td><strong>Union Pacific Railroad, Louisiana Capacity Expansion: Integrated</strong></td>
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<td>Brad Koons, Kevin Peterburs and Martina Schlauch Jones - ARCADIS</td>
<td><strong>Design, Construction, and Permitting to Expedite</strong></td>
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<td>Geoffrey Reeder - Union Pacific Railroad</td>
<td><strong>Project Construction</strong></td>
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<td>5:10</td>
<td><strong>Efficient and Cost-Effective Assessment and Remediation of a Former</strong></td>
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<td>Wood Treatment Facility in an Active Rail Yard</td>
<td><strong>The New Cesar Chavez National Monument Changes the Setting and</strong></td>
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<td>Leroy Leonard and Duane Graves - Geosyntec</td>
<td><strong>Dynamic of Environmental Review</strong></td>
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<td>Paul Kurzanski - CSX Transportation, Inc.</td>
<td>Jeffry Rice - URS Corporation, Michael Stanfill - BNSF Railway</td>
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<td>5:30</td>
<td><strong>Adjourn</strong></td>
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</table>
**Compliance and Permitting**

1. Navigating the Permitting Arena - Implications on Schedule and Process for Demolition of a Large Railroad Ore Dock - Chequamegan Bay, Ashland, Wisconsin
   Jay Diebold and Mark Bergeron - Golder Associates, Inc.
   Devin Sprinkle, Brian Hayden, and Rick Verkler - CN

2. Laser Beams and Historic Structures, Brooklyn Subdivision Bridge, Oregon
   Lori Price - CH2M HILL
   Steve Cheney - Union Pacific Railroad

3. Wetlands in the Desert Southwest, UPRR Salt Creek Bridge, Yuma Subdivision, Southern California
   Janet Hill - CH2M HILL
   Deb Schafer - Union Pacific Railroad

4. Expediting Difficult Wetland Mitigation and Permitting with Early Agency Coordination
   Michele Martzke - CB&I
   Devin Sprinkle and Kari Harris - CN

**Environmental Analytical Issues**

5. Reduced Volume Technology: Ways to Save the Environment and Reduce the Stress of Organic Sample Collection and Analyses
   Judith Morgan - ESC Lab Sciences

6. Analytical Tools For Spill Characterizations
   Kesavulu Bagawandoss - InterTek

**Environmental Management Information Systems**

7. CSX Transportation Curtis Bay Piers
   Melissa Fagan - Geosyntec Consultants
   John Calhoun and Karen Adams - CSX Transportation, Inc.

**Environmental Response**

8. Benefits of Adaptive Design for Investigation with Expedited Remediation for Environmental Response in Active Rail Areas
   Mark Klemmer, Jessica Gattenby, and Andrew McManus - ARCADIS
   Raghu Chattrathi - CSX Transportation, Inc.

9. Emergency Asbestos Abatement and Demolition of Fire Damaged Structure
   Paul Kurzanski and Bill Perry - CSX Transportation, Inc.

10. Incident Response – Working Toward Closure From Day One
    Fred Payne and Terri Rubis - ARCADIS
    Paul Kurzanski - CSX Transportation, Inc.

**Noise and Vibration**

11. Hump Yards in Silence
    Brigita Allenbaher - Elpa d.o.o.

12. Shimlift To Improve Alignment
    Paul Kampfraath - Kampa International
    Jelte Bos - Movaes

**Remediation**

13. Design and Implementation of the Enhanced DNAPL Recovery System to Eliminate Risk to the Public and Field Personnel While Continuing to Collect Essential Data
    Matthew Griles - ARCADIS
    Paul J Kurzanski - CSX Transportation, Inc.

14. The Vital Role of Comprehensive LNAPL Characterization in Developing an Appropriate Remedial Action Strategy
    Michael Lawrence - TRC Environmental Corporation
    Gregory Jeffries - BNSF Railway

15. Improved Conceptual Site Model Facilitates Revised Remedial Approach for Effective Cleanup to Achieve Rapid Site Closure
    D. Scott Pittenger - Norfolk Southern Corporation
    Brooke Y. Bennett, J. Wesley Sterling, Jon C. Williams and Mark S. Westray - GEI Consultants, Inc.

**Risk and Liability Management**

16. A Tree Falls in the Forest: Statistical Evaluation of Forest Material at a Remediation Site
    Currie Mixon - GEI Consultants, Inc.
    C. Russell McDaniel - Norfolk Southern Corporation

17. How to Save Money and Landfill Space Using Segregation of Target Organ Toxicity in Risk Assessments
    Sarah Matthews and Patrick Harrison - AMEC
    Matthew Adkins - CSX Transportation, Inc.
    Ann Holbrooke-Verwiel - Terra Technologies, Inc.
    William Frez - OM Group, Inc.

18. Mitigation Construction and Minimizing Mitigation Liabilities – The BNSF Kansas City Intermodal Facility Case Study Update
    Tim Fobes - HDR Inc.
    David Flick - Terra Technologies

**Stormwater and Wastewater**

19. The Use of Real-Time Weather Forecasting Integrated Controls To Improve Stormwater Capture and Reuse
    J. Gregory Menniti - Geosyntec Consultants, Inc.
    John Calhoun - CSX Transportation, Inc.

20. Stormwater Treatment Plant Improvements at a Norfolk Southern Rail Yard – A More Efficient Sludge Drying Process
    Arthur Newby and Robert Stolt - AECOM
    David Warchol - Norfolk Southern Corporation

21. Union Pacific Railroad, Pocatello Wastewater Treatment System Improvements
    Paul Strickland - Garver
    Mark Ross - Union Pacific Railroad

22. Wastewater Treatment Plant Improvements at a Norfolk Southern Rail Yard – A More Efficient Sludge Drying Process
    Arthur Newby and Robert Stolt - AECOM
    David Warchol - Norfolk Southern Corporation

23. Union Pacific Railroad, Cheyenne Railyard Industrial Wastewater and Stormwater System Improvements – Part 2
    Oscar Sorensen - CH2M HILL
    Mark Ross – Union Pacific Railroad
Emergency Information

Dial 911 for assistance or 9-911 from a campus phone. The conference location is: Illini Union, 1401 W. Green St, Urbana, IL

**Tornado:** Use the stairs on the north or south side of the building to go to the basement to seek shelter.

**Fire:** Use the doors located on the west side of the building and meet on the southeast side of Altgeld Hall.

**POLICE**

**Champaign Police Department (Non-emergency)**
82 East University Ave, Champaign IL
217- 351-4545

**Carle Foundation Hospital**
611 West Park Street, Urbana IL
217- 383-3311

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**RREC Bus Schedule**

*Between Hawthorn Suites, Hilton Garden Inn, iHotel, Comfort Inn Suites, Hampton Inn, Holiday Inn, and Illini Union*

**Tuesday**
November 5th, 2013
7:00am-7:00 pm*
Departing after the banquet

**Wednesday**
November 6th, 2013
6:45am-6:00pm*

* = running continuously between hotels and Illini Union every 20 minutes

---

**Save the date**

Please join us for the 2014 Railroad Environmental Conference
28-29 October 2014
Mark your calendars now!
Champaign/Urbana Recommended Restaurant List
(all directions from Illini Union facing north)

Alexanders Steakhouse
202 W. Anthony Dr., Champaign, IL 61820
217-359-1789
Take Green St. West to Neil St. Turn right.
Vear right on Walnut St.
Turn left on E. Washington St.
Turn right on Neil St.
Turn left on Anthony Drive
On right hand side.

Bacaro - Italian (fine dining)
113 N Walnut St., Champaign, IL 61820-4009
217-398-6982
Take Green St. West to Neil St.
Turn right.
Bear right on Walnut St.
On left hand side.

Biaggi's Ristorante Italiano
2235 S Neil St., Champaign, IL 61820
217-356-4300
Take Green St. West to Neil St. Turn left.
About 2 miles down on right hand side

Black Dog Smoke & Ale House (casual bar)
201 N Broadway Ave., Urbana, IL 61801
217-344-9334
Green St. East to Lincoln Ave. Turn left.
Turn right on University Ave.
Turn right on Broadway Ave. On right hand side

Destihl (Gastrobrewpub)
301 N. Neil St, Champaign, IL 61820
217-356-0301
Take Green St. West to Neil St. Turn left.
About 2 miles down on left hand side

Escobar - Native Latino
6 E Columbia Ave., Champaign, IL 61820
217-352-7467
Take Green St. West to Neil St. Turn right.
Bear right on Walnut St.
Turn left on Columbia
On right hand side.

Great Impasta - Italian
156 Lincoln Sq # D, Urbana, IL 61801
217-359-7377
Green St. East to Busey Ave. Turn left.
Turn right on W. Elm St.
Turn right on S. Broadway Ave.
Turn left at Lincoln Square
On right hand side.

The Big Grove Tavern - Midwestern Craft Cuisine
1 E. Main St, Champaign, IL 61820
217-239-3505
Take Green St. West to Neil St.
Turn right.
Bear right on Walnut St.
Turn left at Main St.
On right hand side.

Kofusion - Asian (Sushi)
1 E Main St # 104, Champaign, IL 61820
217-531-1166
Take Green St. West to Neil St. Turn right.
Bear right on Walnut St.
Turn left on E. Main St.
On right hand side.

Radio Maria - Cajun/Spainsh
119 N Walnut St., Champaign, IL 61820
217-398-7729
Take Green St. West to Neil St.
Turn right.
Vear right on Walnut St.
On left hand side.

Silvercreek - Casual fine dining
402 N Race St., Urbana, IL 61801
217-328-3402
Take Green St. East to Lincoln. Turn left
Turn right on W. University Ave.
Turn right on N. Race St.
On left hand side

Public Parking
Please use the shuttle busses that are provided. Parking on campus is extremely limited.

Meters are available on South Mathews Avenue. Please note there is a two hour time restriction. There is a parking lot east of Legends (located on the corner of Sixth and Green St.) with metered parking. Inquire at registration desk for more information.

Useful Locations

Kinkos
613 South Wright St.
Champaign, IL 61820
217-344-2085

Expresso Royale Cafe
Illini Union Courtyard Cafe
217-333-7106

Starbucks
503 E Green St.
Champaign, IL 61820
217-344-8613

Illini Union Bookstore
809 South Wright St.
Champaign, IL 61820
217-333-2050

Walgreens
407 East Green St.
Champaign, IL 61820
217-344-0121

Cocomero (frozen yogurt)
709 South Wright St.
Champaign, IL 61820
217-328-3888

Wireless Internet

- Choose the “UIpublicWiFi” wireless network
- Open a web browser and go to a web site
- Fill out registration form. The University is legally required to collect information from you to provide you with network access.
- When you open a web browser and enter a web site such as www.illinois.edu (external link), your web browser will be redirected to the UI Public Wireless authentication site, where you are asked to agree to the Terms of Use.
- UI Public Wireless users can contact wireless-related technical support at 217-333-9100.
Ballroom - Please take north elevator or staircase to 2nd floor. Room 210 - Please take north elevator or staircase to 2nd floor.
Call for Papers

Abstracts Due: November 30, 2013
Symposium Date: August 3 to 8, 2014

2014 Global Level Crossing
Safety and Trespass Prevention Symposium
University of Illinois at Urbana-Champaign

Achieving the “Three E’s” of
Engineering, Education & Enforcement
then Moving Beyond to
Evaluation, Encouragement & Emergency Response

The Global Level Crossing and Trespass Symposium (GLXS) is a biennial event that brings together engineering, safety and security professionals from highway, rail, law enforcement and regulatory authorities around the world. The symposium provides an opportunity to exchange information and share best practices to improve the safety of the at-grade interface between highway and rail systems.

Sponsors

If you are interested in having an Exhibit Booth at GLXS 2014 or would like to be part of the Financial Support Team please email:
glxs2014@outlook.com
For more information on the symposium go to:
http://go.Illinois.edu/GLXS2014
2014
International Crosstie and Fastening System Symposium
Rail Transportation and Engineering Center (RailTEC)
University of Illinois at Urbana-Champaign, Newmark Lab, Urbana, IL 61801
3 – 5 June 2014

This three day conference will have presentations, discussions, and a technical tour that focus on the state of the art in timber, concrete, steel and composite crosstie and fastening system design, performance, research, modeling, and inspection.

Technical and Research Topics
State of Practice
Loading Environment
Laboratory and Field Testing
Component and System Modeling
Design Methodologies
Innovations In Ties And Fastening Systems
Research Needs
Failure Modes
Automated Inspection of Crossties and Fastening Systems

Technical Tour Information
voestalpine Nortrak Inc. - Visit foundry for Special Trackwork and Fastening System Component Manufacture
UIUC - Visit New Full-Scale Rail Infrastructure Laboratory and Timber Crosstie Accelerated Testing Laboratory

Railway Tie Association (RTA) Annual Field Trip
The RTA Annual Field Trip for 2014 will be held in conjunction with this event on 1 and 2 June (agenda available by end of 2013). Tentatively the trip will begin in the Chicago area and end with a morning tour of UIUC facilities and an afternoon half-day technical session June 3. More details at www.rta.org soon.

Sponsorship Information
$2000 (includes logo in final program, logo prominently displayed around event, special recognition at keynote events and via PPT slides between sessions, one complementary registration)
http://ict.uiuc.edu/railroad/Crosstie/2014/crossties.php

Registration Information
Full registration: $400 (includes technical tours, most meals, and downloadable conference files).
Registration will open on 1 November 2013 and will be found at:
http://ict.uiuc.edu/railroad/Crosstie/2014/crossties.php

Hotels
Hotel blocks will be available at: Illini Union, Hampton Inn, I Hotel, and Hawthorn Suites by Wyndham

Hosted by:
RailTEC
University of Illinois at Urbana-Champaign

For more information please contact
Angie Stanford at astanfrd@illinois.edu
Exhibitors
Accutest Laboratories
AECOM
Aestus LLC.
AMEC Earth & Environmental, Inc.
ARCADIS US, Inc.
BELFOR Environmental
Boart Longyear Company
Cardno
CB&I
CTEH
Century Group, Inc.
CH2M Hill
Clean Harbors Environmental Services
Coleman Industrial Construction Inc.
Conestoga-Rovers & Associates
EA Engineering, Science, and Technology, Inc.
EMR, Inc.
Environ International Corporation
Environmental Restoration LLC
Environmental Works
EnviroScience, Inc.
Eurofins Lancaster Laboratories
FMC Environmental Solutions
Gannett Fleming, Inc.
GEI Consultants, Inc.
Geo-Cleanse International, Inc.
EnviroScience, Inc.
Hatch Mott MacDonald
Hulcher Services, Inc.
ICF International
JRW Bioremediation
Marion Environmental, Inc.
Oil Skimmers, Inc.
Pace Analytical Services
Pinnacle Engineering, Inc.
Polystar, Inc
Summit Environmental Services, Inc.
SUNPRO
SWS Environmental Services
TestAmerica Laboratories
URS Corporation
Waste Management

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Riaz Ahmed – TRC
Chris Barkan – University of Illinois
Betsy Beauchamp – TestAmerica
Grete Bridgewater - CP
Chuck Cline – Cardno
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Sam Farnsworth – AMEC
Robert Fronczak – Association of American Railroads
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Stella Karnis – Canadian National
Scott Keating – GEI Consultants, Inc.
Kevin Keller – HDR
Joanne Maxwell – Amtrak
Russ McDaniel – Norfolk Southern
Steve McNaughton – Union Pacific
Lance Meister – Cross Spectrum
Gregg Menniti – Geosyntec
Glenn Millner – CTEH
Ryan Mills – BNSF Railway
Mark Murphy – Conestoga Rovers
Chris Oakes – Norfolk Southern
Geoff Reeder – Union Pacific
Ken Richardson – ARCADIS
Ken Rose – OmniTRAX
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Richard Russell – Norfolk Southern
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Kim Schlichting – University of Illinois
Lanny Schmid – Union Pacific Railroad
Oscar Sorensen – CH2M Hill
Leo Thorbecke – AECOM
John Williams – Pace Analytical

Conference Organizing Team
Nizam Ahmed
Chris Barkan
Jerri Lyn Beck
Nick Buege
Rachel Cote
LB Frye
Tim Gress
Nicole Ladehoff
Ryan Lippman
Tom Roadcap
Kim Schlichting
Kaila Simpson
Angela Stanford
Keleey Willmot

Useful Contact Information
RREC 2013 Registration Desk
Hampton Inn
Hawthorn Suites
Hilton Garden Inn
Holiday Inn
217-300-8544
217-337-1100
217-398-3400
217-352-9970
217-328-7900
iHotel
Illini Union Guest Rooms
Yellow Cab
U of I Golf Courses
Stone Creek Golf Club
217-819-5000
217-333-3030
217-355-3553
217-359-5613
217-384-6690