Letter from the Organizers

We are thrilled to present the Symposium for Sustainable Infrastructure – 2 (SSI-2) at the University of Colorado at Boulder, in partnership with the American Society of Civil Engineers, the American Public Works Association and the Institute for Sustainable Infrastructure. Last year, more than 130 professionals, students, and government officials gathered to explore how to engineer a more sustainable Rocky Mountain region.

This year, we are going big! We have invited CDOT’s Deputy Director and the Mayor of Boulder to headline a tremendous lineup of speakers at SSI-2. We expect to bring over 200 attendees together for two full days of learning and networking. The second day is devoted to Envision training that will empower many of them to assess sustainability projects.

Join us for SSI-2 and take the opportunity to interface with some of the brightest minds in academia, engineering, planning, and policy.

We hope to see you in Boulder in November!

Sustainably yours,

Will Koger, P.E., ASCE Co-Chair
Division Manager, Forsgren Associates Inc.

Rich Horstmann, P.E., MASCE, ENV-SP, APWA Co-Chair

Conference Program

SSI-2 will be held November 3-4, 2017 at the SEEC MacAllister Building on the University of Colorado Boulder Campus. The Symposium brings together professionals, academics and students from all areas, including engineering firms, government agencies, utilities and universities. Last year our generous sponsors included CH2M, HDR, Merrick & Company, Stantec, Engineers Without Borders USA, Colorado State University, Colorado School of Mines and many more. We hope that you will join us as a sponsor for yet another exciting year.

For more information, contact:

Sponsorship: Howard Schirmer, Jr.  
ssi2colorado@gmail.com  
720.289.4585

Conference: Pamela Weimer  
bdweimer@msn.com  
303.979.2190
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<th>Time</th>
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<tr>
<td>7:00am-7:30am</td>
<td>Poster / Industry Sponsor Table Setup</td>
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<tr>
<td>7:30am-8:30am</td>
<td>Registration Poster Session Continental Breakfast</td>
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| 8:30am-10:00am | Welcome - Suzanne Jones, Mayor of Boulder  
Conference Opening - Nick Kittle, Moderator, Government Innovation and Sustainability Consultant  
Why Civil Engineers Should Practice Sustainability - Douglas J. Sereno, ASCE Sustainability Committee Chairman  
Importance of Sustainability - Matt Rodrigues, City of Eugene, Oregon, APWA Center for Sustainability |
| 10:00am-10:15am | Break                                                                    |
| 10:15am-11:45am | Breakout Session A - Buildings and Vertical Structures  
- Colorado's First Net-Zero Energy Building, Andy Bush, Morgan Creek Ventures  
- Sustainable Facilities Implementation at University of Colorado-Boulder, Ellen Edwards, CU-Boulder  
- Panasonic Smart City at Pena Station, Gene Hodge, Mortenson Construction  
- Panel Discussion, Doug Sereno, Moderator  
- Sustainability Practices in Asphalt Pavement Construction, Tom Peterson, Colorado Asphalt Pavement Association  
- Sustainable Street Pavements in Eugene, Oregon, Matt Rodrigues, City of Eugene  
- Sustainability Practices in Concrete Pavement Construction, Angela Folkestad, American Concrete Pavement Association-Colorado  
- Panel Discussion, Nick Kittle, Moderator |
| 11:45am-12:30pm | Box Lunch                                                                |
| 12:30pm-1:15pm | Keynote Speaker - Michael Lewis, Colorado Department of Transportation (CDOT) Deputy Executive Director |
| 1:15pm-2:45pm | Breakout Session A - Planning / Development  
- State of Sustainability and Resiliency Planning in the Metro Area, Julia Ferguson, Adams County Sustainability Office  
- Sustainable Development, Randy Duzan, Stanley  
- Panel Discussion, Mark Reiner, Moderator  
- Groundwater Recharge, Courtney Hemmenway, Hemmenway Groundwater Engineering  
- Aurora Water Reuse, Sarah Young, Aurora Water  
- Water Infrastructure and Supply Efficiency (WISE) Project, Logan Burba, South Metro Water Supply Authority  
- Panel Discussion, Laura Bonich, Moderator |
| 2:45pm-3:00pm | Break                                                                    |
| 3:00pm-4:30pm | Breakout Session A - Energy  
- City of Boulder Climate Action Goals and Implementation, Kendra Tupper, City of Boulder  
- Sustainable Energy Infrastructure, Carol Dollard, Colorado State University  
- Panel Discussion, Nick Kittle, Moderator |
| 4:30pm-5:20pm | Conference Closing Session - John Costner, Met Plus                     |
| 5:20pm-5:30pm | Announcement of Poster Winners                                           |
| 5:30pm-6:30pm | Join us for Happy Hour Reception! Organic beer will be provided by Asher Brewing Co. |
Schedule At-A-Glance  
Saturday, November 4  

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ENVISION Training Includes:

- Attendees will receive hard copies of course materials including agenda, activities, case studies and course evaluation forms
- In advance of the workshop, participants will receive electronic copies of presentation materials and instruction regarding creating a free ISI user account
- American Water Works Association (AWWA) will provide Continuing Education Credit certificates for each participant for 8 hours of training. (Agencies can convert AWWA CEUs into PDHs; 0.1 CEU = 1 PDH)
- AWWA instructor coordinates with ISI, attesting to participants’ successful completion of training and ensuring eligibility to take the credentialing exam
- After the workshop, attendees will have access to all online training materials, including pre-recorded training webinars
- Participants will be able to contact their AWWA instructor directly with additional questions

ENVISION Training DOES NOT Include:

- Credentialing Exam registration (after the workshop, once participants are ready to take the exam, they may do so by registering through their ISI account). Exam registration fee is $200. For full-time students and government employees, there is no exam registration fee.
- Hard copies of the ENVISION Guidance manual

About the Instructor - Alex Gerling, ENV SP, Accredited ISI Instructor

As a Reuse Engineer at AWWA, Alex Gerling develops and expands AWWA’s technical and educational offerings for water professionals. She contributes to numerous resources and tools. Among these resources, Ms. Gerling provides technical expertise to AWWA’s webinar programming by developing and reviewing content. In addition, she manages the content of several of AWWA’s Resource Communities. These collaborative webpages integrate current resources, tools, and learning opportunities related to a wide variety of water topics.

Ms. Gerling holds bachelor’s degrees in geoscience and environmental studies from Hobart and William Smith Colleges in Geneva, New York and a master’s degree in biological sciences from Virginia Tech in Blacksburg, Virginia. Having been an advocate for sustainability her entire career, Alex began as an Environmental and Sustainability Representative at Hobart and William Smith Colleges, promoting sustainable practices to dorm residents. Alex now continues to expand her technical expertise and has earned her ENVISION Sustainability Professional (ENV SP) credential. With these experiences, Alex understands the importance of advancing sustainable efforts that ensure the greatest environmental, economic and social impacts.
Registration Information

Registration - Day 1 - Friday, November 3

Friday registration includes all sessions, breakfast, lunch and happy hour

- $105 Register by October 10
- $130 Register October 11-October 27
- $160 Register at the door
- $10 Student Registration

Refunds less a $40 administration fee will be given for cancellations received in writing to bdweimer@msn.com prior to October 27, 2017. Following this date, no refunds will be given but an alternate may be sent at no additional charge.

Registration - ENVISION Training - Day 2 - Saturday, November 4

Saturday registration includes all sessions and lunch

Private Companies
- $300 Register by October 10
- $350 Register October 11-October 27

Faculty / Government / Utilities
- $200 Register by October 10
- $250 Register October 11-October 27

Students
- $100 Register by October 10
- $150 Register October 11-October 27

Refunds less a $100 administration fee ($50 for student registrations) will be given for cancellations received in writing to bdweimer@msn.com prior to October 27, 2017. Following this date, no refunds will be given but an alternate may be sent at no additional charge.

Student Registration Scholarships Available

The 2017 Symposium will provide a limited number of student scholarships to cover the majority of the cost of the second day of the event, devoted to training in the use of one of the nation's premier sustainability evaluation systems, known as ENVISION. These scholarships, valued at approximately $135 each, will be awarded to qualifying Junior, Senior and Graduate Students. Interested students should email SS12Colorado@gmail.com for an application and additional information. ENVISION has been developed at the national level by the Institute for Sustainable Infrastructure (ISI) founded by the ASCE, APWA and the American Council of Engineering Companies (ACEC). Information about ISI and ENVISION is available at https://sustainableinfrastructure.org/. It is expected that professionals, faculty members and students will be registering for this training.

Registration

Registration is available on the APWA Colorado Chapter website: http://colorado.apwa.net/EventDetails/12889

NOTE that you must have an APWA account to register for this event on the Colorado Chapter website. You don’t have to be member of APWA to create an account, accounts are free of charge and you have immediate access. The registration page will direct you or follow this link: www.apwa.net/MYAPWA/Sign_In.aspx