



Livestreaming - Education Program

All times are posted in Australian Eastern Daylight Time (AEDT). To convert to your time zone quickly use the [time and date calculator](#). Select *Sydney* as the reference point for Australian Eastern Daylight Time and then your local city.

[REGISTER ONLINE](#)

Education: There are many other live sessions however these are in the very earlier hours for people living in Australasia. The sessions listed below are a summary of those you may want to attend without losing sleep. All featured and concurrent sessions will be recorded and available post-session for 60 days after the conference. Roundtable discussions will not be recorded.

Expo Hall: The IECA Expo Hall booths are available for viewing throughout the conference and 60 days after the event. To interact with an exhibitor, you can send a chat message anytime. For a more interactive experience, we invite you to join the International Expo Hall Hours and listen to live vendor showcases on Thursday, February 25th from 10:00 – 11:00AM AEDT.

To see the full program please visit: www.ieca.org/annual21 When viewing this site keep in mind the session times are listed in US Central Standard Time.

Wednesday, February 24, 2021

7:10 - 8:10 AM - Featured Business Session: [Communication: THE Best Management Practice](#) | IECA Emeritus Speaker of the Year, Barry Fagan, PE/PLS, ENV SP, CPESC, CPMSM, CESSWI

8:20 - 10:20 AM - Featured Business Session: [Ethics for Professionals](#) | David Williams, Ph.D., PE, PH, CPESC, CFM

8:20 - 10:20 AM - Concurrent Live Education Sessions

- **Featured Session:** [Re-Wilding Streams and Floodplains to Enhance Ecosystem Services](#) | Workshop | 2020 IECA Speaker of the Year, Greg Jennings, Ph.D., PE
- **Featured Session:** [Hotter, Wetter, Wilder: How Canadian Society is Preparing for Irreversible Climate Change and Extreme Weather Risk](#) | Workshop | Blair Feltmate, Ph.D.
- [Understanding and Implementing Seven Modes of Sediment Control](#) | Case Study | Dwayne L. Stenlund, M.Sc.

10:30 - 11:30 AM - International Roundtable Discussions

- Techniques for Improving Water Quality Prior to Construction Discharge
- MS4 Public Education & Outreach
- Streambank Stabilization
- Erosion and Sediment Control Product Testing Facilities
- Soil Health and Development
- Revegetation and Seed Selection: Post-Construction Land Use
- Sustainability and the Circular Economy of Construction

11:40 AM - 12:40 PM - International Concurrent Sessions

- [Down Under Erosion Control](#) | Case Study | Andrew Macleod
- [Construction Site Erosion & Sediment Control Challenges - Money Saved is Money Earned](#) | Workshop | Kwok Wing Leong, PE, M.ASCE, CISEC, NGICP

12:50 - 1:50 PM - International Concurrent Sessions

- **Featured Session - IECA Australasia Award of Excellence:** Ara Tūhono Puhoi to Warkworth - Creating Better Connections | Case Study | Hannah Giess
- Coastal Erosion Control | Workshop | Kurt Laboyrie and James Trevillion
- Erosion Control Technical Council: Product Testing | Workshop | Kurt Kelsey, Britt Faucette, Brian Foster and Lisa Simms

Thursday, February 25, 2021

8:10 - 9:10 AM - Concurrent Live Education Sessions

- [What Works the Best?](#) | Fireside Chat | Richard McLaughlin, PhD
- [Assessing Environmental Legacies of Erosion and Sediment Control Materials](#) | Workshop | Marc Theisen, M.Sc., CPESC, CPSWQ, CESSWI
- Two 30 Minute Sessions
 - [Post Wildfire Treatments for Hot Burn Areas Using Successional Reclamation Principles](#) | Case Study | John McCullah, CPESC
 - [Successful Re-vegetation Strategies on the Carr Fire in Northern California](#) | Case Study | William Agnew, MS, CPESC

9:20 - 10:00 AM - IECA Annual Meeting

10:00 – 11:00 AM – International [Expo Hall](#) Hours

10:00 – 11:00 AM - [IECA Learning Zone](#) Vendor Showcases

Friday, February 26, 2021

7:10 - 8:10 AM - Concurrent Live Education Sessions

- [Pilot Study Results of Metals Removal from Stormwater Using Cement Based Filters](#) | Technical Paper | Megan Hart, Ph.D.; John Kevern, PhD, PE

- [Conducting Effective BMP Inspections](#) | Workshop | Jason Dorney, CPESC, QSD/QSP, QISP
- [The Geotechnical Report, Can This Be an Aid to Design BMPs?](#) | Workshop | Andrew Diehl, PE, CPESC

8:20 - 9:20 AM - Concurrent Live Education Sessions

- [Revegetation Methods - What Works and Why? From Hydroseeding to Live Planting](#) | Fireside Chat | Dylan Armour
- [Implementing LID Retrofits to Address Nutrient Loads in Lake Pocotopaug in East Hampton, Connecticut](#) | Case Study | Steve Trinkaus, PE
- [Basin Design Using Skimmers for Water Quality and Reduced Maintenance](#) | Workshop | Jamie D. McCutchen, Jr., PE

Complete List of Livestream Programming: [click here](#). Remember times displayed via this link are US Central time.

On-Demand Programming

Erosion and Sediment Control

- [Achieving Success When Specifying and Using Turf Reinforcement Mats](#) | Case Study | Lauren C. Alaniz
- [Construction Phase Strategy Comparison of Idaho Desert and Mountain Projects](#) | Case Study | Adam A. Lyman, PE, CPESC & Dan Strauss, CESSWI
- [Natural Infrastructure: The Win-Win-Win Approach to Reducing Flooding and Erosion](#) | Workshop | Joanna Eyquem, P.Geo., CWEM, CEnv.
- [New England Case Studies and Lessons Learned Using Three Dimensional Stabilization](#) | Case Study | Michael Everhart
- [Redefining Soft Armor After Five Decades of Success](#) | Case Study | Marc S. Theisen, M.Sc., CPESC, CPSWQ, CESSW & Matthew M. Welch, CPESC, CESSWI
- [Studies for the Diagnosis of Riverbanks Erosion](#) | Case Study | Angel Menendez, PhD & Gustavo Salerno, CPESC, PE
- [Investigation of Lamella Settlers and Electrocoagulation for Capturing Suspended Sediment](#) | Technical Paper | Michael Perez, CPESC & Lan Liu, MS
- [Cost Saving Erosion Control Tips for Single and Multi Family Residence Builders](#) | 30-Minute Presentation | Joshua McAllister, CESCL

Stormwater Management

- [2020 National Pollutant Discharge Elimination System \(NPDES\) Multi-Sector General Permit \(MSGP\) Update and Summary of Changes](#) | 30 Minute Presentation | Christine Mayo
- [A Tale of Stem and Stone: Combining Conventional and Bioengineered Solutions to Retrofit a Suburban Stormwater Channel to Achieve Elegant Flood Resilience](#) | Case Study | Donald W. Baker, PE, DWRE & Brian W. C Sturm, PLA, ASLA, LEED-AP
- [Approved SWPPPs Do Not Illustrate How to Prevent Sediment Discharges or Erosion](#) | Technical Paper | Jerald S. Fifield, Ph.D., CISEC
- [Augmented Reality Technology for Urban Flood Mitigation and Public Education](#) | Workshop | ZhiQiang Chen
- [Hitting the Accelerator: How COVID-19 Forced Durham County into Electronic Solutions](#) | 30 Minute Presentation | Ryan D. Eaves, PE, CFM, CPESC

- **How to Design Stormwater Management for Ground Mounted Solar Arrays** | Case Study | Steven D. Trinkaus, PE
- **NPDES Compliance Demands Much More Than Inspections** | Workshop | Steven W. Polk, PE, EMBA
- **Physical First: How Combined Mesoscale Physical Modeling and Two-dimensional Computational Modeling Informed Kansas City's Insight into Indian Creek Flooding** | Case Study | Donald W. Baker, PE, DWRE
- **What Does the EPA MSGP 2020 Have in Store for Industry This Time?** | Fireside Chat | Nathan T. Collier, CPESC, CESSWI
- **@#%! Maintenance Doesn't Have to Be a Four Letter Word** | Case Study | David Batts, LEED AP | MS4 Management
- **How the 2020 Census Will Impact You and Your MS4** | 30 Minute Presentation | Matt Klaser, CESSWI, CPESC & Kelsey Krueger, MS,CPESC,CISEC | MS4 Management

Wetland, Streambank & Shoreline Restoration

- **Developing a Multi-use Restoration Plan for Midwest Streams** | 30 Minute Presentation | Michael J. Heller, CPESC & Doug Sheeley
- **Little Blue Parkway - Spring Branch Channel Change and Mitigation_** | Case Study | Kimberly Curry, PE & Gordon W. Shaw, MS;
- **Stormwater Management Thru Vernal Pool Complex Restoration** | Poster Presentation | David Zwick

Complete List of On-Demand Programming: [click here](#).