



International Erosion Control Association

Serving Erosion Control Professionals in Arizona, California, Nevada and Hawaii

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ARTICLE TO SHARE?

Is your project going great? Did someone do a good job? Do you have a technical article, regulatory update, contractor to highlight or event announcement you'd like to share with your fellow members?

Please forward articles to the westernchapter@gmail.com and we'll publish them in the next issue of Western Chapter News!

PRESIDENT'S MESSAGE

Dear Western Chapter Members,

Please join me in extending congratulations to **Kym Kelley CPESC, CISEC, QSP** and **Claudia Chambers, CPESC, CISEC, QSP** of Kelley Erosion Control (KEC). Kym and Claudia were recently recognized as the **IECA Outstanding Professionals of the Year** at the IECA Conference in Denver. The Outstanding Professional of the Year Award recognizes an IECA member (individual or organization) that demonstrates excellence in their work in the industry and is viewed by IECA peers as an industry leader through significant engagement with the IECA. This may be the first time ever two colleagues that have worked together for years have been simultaneously honored. **Congratulations Kym and Claudia!**

Awards like this don't just happen--they take initiative on the part of an IECA member to make the nomination. Thanks go out to WCIECA member and industry peer **Julie Etra** for preparing the nomination of Kym and Claudia. Julie's nomination noted, "Chambers and Kelley have shown leadership in their field through guiding designers, specification writers and inspectors to adopt more successful and sensible methods, by following up on their work, and by installing demonstrations of various new technologies. KEC is one of the longest established erosion control contractors in the United States. KEC is known for quality, honesty, competency, and innovative ideas."

Upcoming Chapter Events

A major challenge today is that there are too many people and organizations out there that authorize the disturbance or physically disturb soil cover and the underlying soils but don't understand, appreciate or maybe even care that they are taking on what can be a significant responsibility in terms of permit compliance and responsible environmental stewardship. The responsibility manifests itself in requirements to control erosion and keep sediments on site and out of receiving waters—requirements that often require years of effort and a lot of money to achieve.



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(Continued on Page 3)



Erosion Control Specifying Practices and Products: A Practical Approach

Two dates and locations for you to select the more convenient

Northern California

Thursday May 16, 2019

7:30 a.m.-5:00 p.m.

Host: Fairfield Suisun Sewer District

1010 Chadbourne Rd. Fairfield, CA

Southern California

Wednesday May 22, 2019

7:30 a.m.-5:00 p.m.

Host: City of Industry

15651 Stafford St. City of Industry, CA

This workshop is designed to advance your understanding of erosion control practices. Building up from the soil to seeds to mulches and blankets, you will come away with an understanding of the methods and materials that lead to successful erosion control on disturbed areas like construction sites. Participants will earn 8 PDHs.

Modules will be led by industry experts and participants will put the knowledge they gain into practice with an erosion control challenge tabletop exercise. Bring your tough questions for the expert round table that will conclude the workshop.

Planned Workshop Modules

- What about the Soil?
- Hydromulches
- Table Top Exercise: Erosion Control Challenge and Solutions
- Expert Round Table
- Seeds and Seeding
- Blankets

Attendance includes the workshop, light breakfast, breaks, lunch, handouts, and a certificate of completion.

Who should attend?

- Erosion control professionals and inspectors
- Agency staff responsible for planning and specifying erosion control practices and for reviewing erosion control plans
- Regulators inspecting and reviewing erosion control projects
- QSDs, QSPs & CPESCs
- Engineers designing erosion control plans
- Contractors and consultants specifying and installing practices

Details/Register: <https://www.wcieca.org/shop/>.

Agendas: [N. CA](#) & [S. CA](#)

Email: westernchapter@gmail.com

Sponsorship and Exhibitor Opportunities!

Limited space remains



PRESIDENT'S MESSAGE, CONTINUED

If you have been an erosion and sediment control professional for very long, you have no doubt been called out to evaluate sediment discharges from a site with disturbed soils and to come up with corrective measures. It would not be a surprise at all to learn that the site evaluation showed multiple, unsuccessful attempts to control the problem using sediment controls alone.

Erosion and sediment control professionals know that sediment controls are rarely enough on their own to achieve permit compliance and to provide for responsible environmental stewardship. Erosion and sediment control professionals know that control is almost always achieved through an **effective combination of erosion controls and sediment controls**, with the rule-of-thumb being 80% of the effort on erosion control backed up by 20% of the effort on sediment control, affectionately known as the 80:20 Rule.

The importance of erosion control as an essential and significant component of keeping sediment on sites with disturbed soils will be the focus of the Western Chapter's upcoming workshops. Two nearly identical workshops are now taking registrations: May 16, 2019 in Fairfield, CA and May 22, 2019 in Industry, CA. The workshops, titled **"Erosion Control Specifying Practices and Products: A Practical Approach"**, feature industry-leading professionals that will lead the classes through building the soil, seeding, mulching, and blankets. A lot of material will be covered, so the classes are scheduled for the full day. Registration includes the class, handouts, light breakfast, breaks, lunch, and a certificate of attendance to document the Professional Development Hours (PDHs) earned. Class sizes are limited and will likely fill up, so register as soon as possible and take advantage of the Western Chapter IECA Member and Early Registration discounts.

The Western Chapter is blessed to have a small but passionate group of volunteers leading the planning effort for these two workshops, from developing the agenda, to recruiting top level instructional talent, to finding places to hold the sessions, to conducting site reconnaissance, to selecting the menu, to setting the course fee, and more. Volunteers are key to the success of these events. In the next newsletter, a recap of the workshops and volunteer effort to put them on will be presented.

In the meantime, I ask that you consider supporting the Western Chapter by signing up for the workshop or signing up to sponsor the workshop or signing up your staff to attend the workshop (what a great way to reward a staff member just entering the industry). The success of these events will help drive efforts to host future events.

(Continued on Page 7)

THANK YOU TO MIKE HARDING - CHEERS TO YOU!



For successfully executing ***A Master Class - Sustainable Solutions For Soil Erosion And Sediment Control***, Dec. 12 & 13 in Irvine, CA. and for collaborating with Western Chapter to make it a win-win event.



X CICES (CONGRESO IBEROAMERICANO SOBRE EL CONTROL DE LA EROSION Y LOS SEDIMENTOS) 2020, CUERNAVACA MEXICO.

Western Chapter has a sister chapter – the Iberoamerican Chapter and we want to inform our members of their important events to foster international relations.

The conference is being co-sponsored by III CISE Congreso Iberoamérica sobre Sedimentos y Ecología.

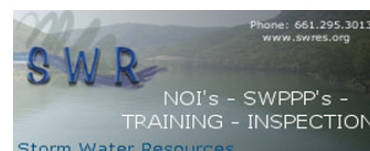
It is not too early to start planning to attend the 10th Biennial conference of CICES which has taken place over the last 20 years in Peru, Colombia (twice), Argentina, Brazil, Panama, Spain, Guatemala, and last year in Chile.

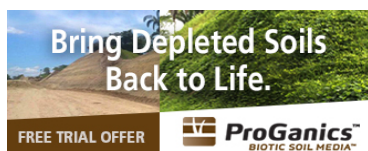
The conference will take place in historic Cuernavaca September 22-26, 2020, with pre-conference courses held on the 22nd, and a field trip is scheduled for Saturday the 26th.

Cuernavaca is the capital and largest city in the state of Morelos. A mere 90 km from Mexico City, the beautiful colonial city is rich in history. Because of its warm, stable climate and abundant vegetation it has long been an escape for residents of Mexico City. The municipality was designated a Forest Protection Zone by President Lazaro Cardenas in 1937 to protect the aquifers, the vegetation and quality of life.

The city was nicknamed the "City of Eternal Spring" by Alexander von Humboldt in the 19th century. Among the many attractions is the Palacio of Hernan Cortes, the conquistador of Mexico, built by the indigenous people he conquered.

Julie Etra, MS, CPESC
WCIECA Sister Chapter Liaison
Western Botanical Services Inc.
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UPCOMING TRAININGS, DATES & MEETINGS

May 16, 2019 **Erosion Control Specifying Practices and Products: A Practical Approach – N. CA.** Fairfield, CA.

Register: <https://www.wcieca.org/shop/>

May 22, 2019 **Erosion Control Specifying Practices and Products: A Practical Approach – S. CA.** City of Industry, CA.

Register: <https://www.wcieca.org/shop/>

May 29, 2019 **Innovative Workshop / Panel Discussion on Stormwater / Water Quality Adaptive Management Drivers (Regulations and Stare Decisis)** San Marcos - Free. Email: [Doug Dowden](mailto:Doug.Dowden@shasta.edu)

*June 6 & 7 **Erosion Control Summit Class, Shasta College.** Redding, CA
(tentatively rescheduled from April 25 & 26 see note below)

*On behalf of Salix AEC, here is an update on the Erosion Control BMP Summit from Shasta College!

We are thrilled to report that John McCullah, organizer and instructor, is strongly on the mend and is hoping to be released from the hospital in the next couple of days...With our assistance, SWAG has tentatively rescheduled the Summit for June 6th and 7th,

Once the date is confirmed and if you can reschedule, Salix AEC has asked that you reconfirm with them. At that time they will provide you with an updated agenda. If you cannot accommodate the new schedule, they will have a refund process in place.

WEBINARS & SHORT COURSES

April 24, 2019

Waters of the United States: Present and Future Definition

May 1, 2019

Bioretention Standards – Another Tool in the LID Toolkit
FREE for IECA Members

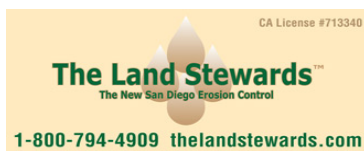
June 12, 2019

Ethics for Professionals



TELL US WHAT YOU THINK

We want to know, your opinions matter - please take the short survey. Go to [SURVEY](#).



BOARD OF DIRECTORS ELECTION ANNOUNCEMENT

Please consider either nominating a qualified person or running for a Director position! Each July, three of nine Western Chapter Board full-term (three years) Director Positions are up for election. This is one of the most fulfilling ways to increase your involvement in, and broaden your impact on, our industry.

Qualifications: Must be a Western Chapter member (for at least one year) and currently reside in one of the Western Chapter's member states (California, Arizona, Nevada, or Hawaii).

Key responsibilities for the Directors include managing and administering the Chapter as a not-for-profit corporation, creating educational opportunities for the Chapter members, helping the Chapter and IECA grow, and responding to member questions and concerns. The time commitment includes quarterly meetings and subcommittee work totaling ONLY 5-10 hrs. per quarter.

Send your nomination **OR** submit a self-nomination and a candidate statement (a 200-word, electronically formatted, description of your work/background and an explanation as to why you want to serve on the Western Chapter Board of Directors) by **June 4, 2019** to Cyndi Brinkhurst, Administrative Assistant at: westernchapter@gmail.com.

Candidacy statements and ballots will be available at www.wcieca.org starting on June 6, 2019 and the election will close on July 31. We will send you an e-mail reminder to vote.

IECA Education

Enhance Your Knowledge

IECA has two certification partners [EnviroCert International, Inc.](http://EnviroCertInternational.com) (CPESC, CESSWI, CPSWQ, CPSM, CPISM) and [CISEC, Inc.](http://CISEC.com) (CISEC).

IECA offers the professional development credit required to apply, re-certify and keep up to date with your industry certifications.

IECA has met the standards and requirements of the [Registered Continuing Education Program](http://RegisteredContinuingEducationProgram.com) to delivery of professional education activities for engineers, surveyors, and related A/E/C industry professionals.

A selection of online courses, webinars and in person training is included in this program.

IECA education to offer RCEP approval include:

- [eLearning Classes](http://eLearningClasses.com)
- [Upcoming Live Webinars](http://UpcomingLiveWebinars.com)
- [Learn more](http://Learnmore.com) about RCEP program, licensing requirements and how to keep engineering and/or surveying licensure current across state lines!

Time to get involved...

We invite you to join the team!

Click [here](#) for more information on the committees that need your help to function, grow, and succeed.

An organization is only as strong and active as its members-will you become an active member?

Email the chairperson of a committee today!



CALL FOR ARTICLES

Do you have a technical article, regulatory update, or event announcement you'd like to share with your fellow members?

Please forward articles to Cyndi at westernchapter@gmail.com and we'll publish them in the next issue of Western Chapter News!

Thank you!

PRESIDENT'S MESSAGE, CONTINUED



Claudia Chambers and Kym Kelley Awarded IECA Outstanding Professionals of the Year

Chapter Meeting at the IECA Annual Conference

It was great to touch base with Western Chapter IECA members that attended the IECA Annual Conference in Denver this past February. During the meeting, we had the opportunity to meet the student moderators that received scholarships from the Western Chapter, including San Diego State University graduate students in Water Resources & Hydrology in Civil Engineering **Jack Mikesell**, **Kyler Stevenson**, and **Lauren Mathews**, as well as Ryerson University (Canada) graduate student in Civil Engineering – Environmental **Preetha Haque**. We also had the opportunity to meet **Professor Alicia M. Kinoshita, Ph.D.** from the Department of Civil, Construction, and Environmental Engineering at San Diego State University: Professor Kinoshita was instrumental in encouraging her graduate students to attend and participate in the IECA Conference.

It's shaping up to be another great year for the Western Chapter of IECA. Yes, we can do more—it just takes volunteers to step up. Soon, the ultimate opportunity to step up will present itself, with that opportunity being a chance at running for the Western Chapter Board of Directors. Read more about that opportunity elsewhere in this edition of the newsletter.

Sincerely,
 Jeff Endicott, PE, BCEE, CPESC
 President, Western Chapter
 International Erosion Control Association

SCHOLARSHIP RECIPIENT BIOS

Lauren E. H. Mathews - Graduate Researcher, Department of Construction, Civil, & Environmental Engineering, San Diego State University. I am a graduate student pursuing a master's of science degree in environmental engineering. My thesis work focuses on post-fire erosion quantification in an urban stream reach in San Diego. I completed my B.S. in environmental science with an emphasis in biogeochemistry at the University of Hawaii at Mānoa. My undergraduate thesis project regarding ecological stoichiometry, specifically the effect of sea surface temperature on trophic carbon : nutrient transfer, was published in the Journal of Oecologia (Mathews et al. 2018). After my education, my career goal is to work for a private or government agency in the water resources and storm water hazard management sector. I would like to specifically address fluvial erosion and the associated water quality and structural hazards it poses. Presently I work as a staff engineer intern for Geosyntec Consultants on a project regarding microbial source tracking within San Diego County storm water conveyances.

Preetha Haque - I am currently doing my Master's in environmental engineering at Ryerson University. I have already completed my coursework and now, doing my research on Variable scale stormwater management modelling for urbanizing Watershed. I have done an internship with Mitacs-Accelerate for this project. The main goal of this project is to establish a modelling methodology that bridges the fine scale typically used in modelling that supports proposed SWMF with watershed scale models to improve the confidence of watershed managers involved in the land development approval.

I have completed my undergraduate from Bangladesh University of Engineering and Technology in the year 2012. I have three years of work experience in the field of River Morphology in Bangladesh. My job responsibility was to analyze historical changes of river morphology by analyzing time series satellite images using GIS and analyzing vast hydrological data-set and predict the autonomous development of the rivers.

Kyler Stevenson (no bio provided) - Congratulations to Kyler Stevenson for winning Second Place for his poster presentation at the IECA Annual Meeting in Denver, CO!

Jack Mikesell (no bio provided).



Some fun pics from 2019 IECA Annual Conference and Chapter Meeting in Denver, CO. submitted by Claudia Chambers

PROFESSIONAL LISTINGS

CBI Systems, Ltd. is the developer of MS4web v2.0, a compilation of more than 16 years of industry experience and customer feedback fueling a GIS application that will assist in maintaining data, inspections and compliance activities, but is versatile enough to keep up with the ever-changing regulatory landscape. Sign up for a free 30-day trial at www.ms4web.com. CBI Systems, Ltd. also offers inspection only based applications. For more information please call us at [409.835.3095](tel:409.835.3095) or email us at info@ms4web.com.

Dirttime.tv is an affiliated brand of **Salix Applied Earthcare LLC**, formed in 1996 by John McCullah. John has been involved in Watershed Management for 30 years, becoming a certified erosion specialist in 1986. The firm's work involves consulting, training, design/build of stream restoration, bioengineering, education, and awareness. Salix published design guidance manuals, books, popular and technical articles, and informative case studies. Dirttime.tv has produced over 40 Dirt Time videos. Selecting and watching the clips of your choice then taking tests online is a popular way to earn CEUs. Visit www.dirttime.tv regularly for 'how to' info, tips, and blogs.

Earthsavers Erosion Control Products is the home of the "Original Rice Straw Wattle". Our certified weed free wattles have been tested for sediment retention at San Diego State University and proven in field studies by Caltrans and numerous other agencies. Earthsavers wattles are available in 3 diameters, photodegradable netting, or 100% biodegradable burlap. Additionally, [Earthsavers](http://www.earthsavers.com) is a master distributor for a full line of erosion & sediment control products, geosynthetics and more. Our network of distributors provide local access to premium BMPs and Earthsaver's experienced staff can provide superior technical support to our distributors and their customers and specifiers.

Kelley Erosion Control, Inc. established in 1983 is recognized throughout Nevada and California as a leader in the industry. KEC has an excellent reputation known for quality, competency, solutions, innovative ideas, cutting edge technology, excellence, and client satisfaction. Services include: Hydroseeding, site preparation, dust control applications, BMP's, revegetation and project maintenance, site winterization, wetland mitigation, stream channel stabilization, planting and irrigation, mining reclamation, soil stabilizer applications, biotechnical applications, and fire restoration/rehabilitation. Phone (775) 322-7755 Fax (775) 322-6606 Contact – Claudia Chambers CPESC, CISEC, QSP Claudia@kelleyerosioncontrol.com. Visit us at www.kelleyerosioncontrol.com.

Linwood Supply, Inc. distributes the tools you need for Erosion Control and Storm Water Management including Erosion Control Blankets, TRM and HP-TRM, HydroFiber™, Coir products, organic fertilizers, native and grass seed, plus, for oil spill remediation, Rubberizer booms, mats and filters. Other services include written pesticide recommendations and soil testing. We will always provide you with the level of service and professionalism you deserve. Linwood Supply, Inc. is a certified small business based in California. ***If Your Storm Water is as Clear as Mud™*** – Please call us at 707 678-5087 or visit us at www.linwoodsupply.com.

LSC Environmental Products exists to solve some of the industry's most persistent environmental challenges...such as erosion, revegetation, odor, dust, and waste cover through the application of our spray-applied coatings. You probably know LSC as the "ADC guys", who we have been for the past 26 years, but we are more than that. With the acquisition of Terra Novo, Inc., who are best known for their EarthGuard® products; and have served the erosion and sediment control industry for almost 20 years. We are excited to offer new solutions, including soil amendment, site winterization, intermediate cover, and special waste that we believe can benefit virtually any site.

Nedia Enterprises manufactures a complete line of erosion control, sediment control, and bioengineering products made primarily from natural fibers. Committed to the conservation of the environment, we are constantly striving to develop products that contribute to its enhancement and protection. Our products are subject to stringent quality control measures that meet or exceed industry standards. **Nedia** offers sound technical advice on product selection and installation with a thorough understanding of the benefits and limitations of the products. A large inventory of products in several distribution centers across the country facilitates cost-effective and timely delivery of our products. Contact 888-725-6999 or email info@nedia.com.

PROFESSIONAL LISTINGS CONTINUED

Pacific Coast Seed is Northern California's premier supplier of CA native grasses and wildflowers, turf grass seed, and other erosion control materials such as fertilizers, mulches, and soil amendments. We provide seed and other materials for diverse applications including restoration, reclamation, revegetation, ornamental landscaping, and erosion control. We offer specialty seed collection from site-specific sources. For more information check out our website www.pcseed.com or contact us at 925-373-4417 or info@pcseed.com.

Quattro Environmental, Inc. offers reclamation design and implementation services in a "best value" team approach to re-establishing native plant growth on drastically disturbed soils. "**Do It Once, Do It Right**" has been the mantra for over 22 years of success on tough sites located throughout the U.S. western States. "**Hold soil**" with **BIND | ATLAS SUPERDUTY** – world's #1 heavy-duty soil binder. "**Grow soil**" for effective native plant establishment with **Quattro's Living Soil Membrane™** technology. Phone (619) 522-0044 or cell (619) 204-1372 Contact – Peter McRae, past-President WC-IECA pmcrae@quattroenvironmental.com. Visit us at www.GrowingSoil.com.

Reno Tahoe Geo Associates, Inc. – Formerly Marvin E. Davis & Associates focuses on the challenging issues of the Tahoe Basin and Northern Nevada/California terrain. Our professionals provide a diverse and solid background in geotechnical engineering; specialized engineering design; erosion control services; construction and forensic inspection services and materials testing; and, regulatory and compliance issues to enable project approval. Phone 775-853-9100 or visit us at <http://www.rtgeo.com/>.

Sustane Natural Fertilizer — For over 30 years of continuous operation, [Sustane Natural Fertilizer, Inc.](http://www.sustane.com) has produced the highest quality natural based and organic fertilizers and soil amendments distributed in the U.S. and exported to 50 countries worldwide. Sustane Natural Fertilizer maintains and operates its U.S.E.P.A. permitted compost site, manufacturing facility and corporate offices from Cannon Falls, MN. Sustane fertilizers and soil amendments provide readily available, balanced nutrition with beneficial microbiology to provide the basic soil components for exceptional plant establishment and long term sustainability. Call 800-352-9245 to speak with a Sustane Regional Specialist or with our International Team Leader.



The graphic is a promotional banner for the 2020 IECA Annual Conference. On the left, there is a circular image of a globe with green foliage, set against a background of green leaves. To the right of the globe is the IECA logo, which consists of a stylized blue and green leaf shape above the text "IECA ANNUAL CONFERENCE and Expo". The main text on the right side of the banner reads "Join Peers at the 2020 IECA Annual Conference" in large, bold, blue letters. Below this, in smaller blue text, is "February 23-26, 2020 | Raleigh, NC". In the bottom right corner, there is a small logo for IECA (International Erosion Control Association) with the tagline "Protecting Soil and Water Resources".

Learn more about the host city, [Raleigh, North Carolina](https://www.raleighnc.gov) and the [Raleigh Convention Center](https://www.raleighconventioncenter.com).

HEADS UP! 2021 IECA Annual Conference – Kansas City, MO