

October 2022

October Joint Meeting with EWRI

Topic: Activated Carbon Amendment Stimulates Biodegradation of Hydrophobic Organic Contaminants in Impacted Sediments

Date: Thursday, October 20

Time: 12pm-1pm

Location: Virtual, Teams

Speaker: Dr. Giovanna Pagnozzi is a senior staff engineer with Geosyntec Consultants since September 2020. Her professional focus is site investigation, implementation of feasibility studies, and remediation of contaminated sediment. During her Ph.D., Giovanna lead research projects investigating biological natural attenuation within sediment capping, and her work resulted in three peer reviewed publications.

Microsoft Teams meeting
Join on your computer, mobile app or room device

[Click here to join the meeting](#)

Meeting ID: 293 925 892 891

Passcode: AQVN3A

Hydrophobic organic contaminants (HOCs) released to surface water bodies adsorb onto exposed environmental matrices with high organic carbon content such as soil and sediments. Sediments act as a sink for HOCs that slowly diffuse to the overlaying water endangering the human health and ecosystems. This talk will discuss design enhancement opportunities for remediation of HOCs impacted sediment.

Or call in (audio only)

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[833\) 423-1732](tel:+18334231732), [737900927#](tel:+1737900927) United States (Toll-free)

Phone Conference ID: 737 900 927#

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Results of bench scale laboratory studies showed that amendment with activated carbon (AC) promotes biological natural attenuation. AC amendment was linked to increased biological activity, enrichment of biodegraders, and early biofilm growth at the sediment-water interface. Also, HOCs biodegradation significantly increased in presence of AC under anoxic conditions, and reaction rates were not affected by sorption/desorption hysteresis.

Amendment with AC represents a dual remedial strategy that i) sequesters HOCs and reduces their bioavailability, and ii) promotes complete transformation of HOCs in harmless compounds via biodegradation.



October President's Column

By Elyssa Dixon, PE

ASCE Seattle Section President

Hello Seattle Section!

I'm so excited to start our new ASCE year and transition into the role of Section President. For those who may not know me, I have been involved with ASCE since shortly after I graduated in 2012 and served various positions with the Seattle YMF including the YMF President in 2018. I joined the Section Executive Board as the YMF Board Representative in 2019 and continued to help the Section on the Membership Committee and Diversity

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CONTENT DEADLINE:
October 20, 2022**

Committee prior to joining as the President-Elect last year. I also serve on the National ASCE Committee on Younger Members and am currently wrapping up my year as Chair. My involvement with ASCE has been pivotal in my growth personally and professionally and in building a network of amazing engineers across the country.

As we look forward to a new year of ASCE, I hope to revisit our successes from the last two years and evaluate the future of our Section. An overarching theme for this year for me is connection. I am driven by connection - connecting members to each other, resources, and knowledge. I hope to introduce new opportunities for connection across our membership by collaborating with our institutes, committees, branches, younger members, and students, so keep an eye out for new programming throughout the year!

I would like to extend a huge thank you to the many volunteers who have worked so hard this past year! I also would like to welcome the incoming leaders who are either new to ASCE leadership or who are starting a new role. We are a volunteer-based organization, and we would not be able to do what we do without you.

With that said, we are always on the lookout for enthusiastic volunteers. We are currently looking for volunteers for the Section Secretary and Section Treasurer. On our technical committees, standing committees, and Younger Member board, there are various other open positions as well. Please let me know if you would like to step up or if you know someone who would be interested, or if you would like to know more.

I look forward to seeing you in the coming months. Please feel free to reach out at any time!

Upcoming Committee Meetings

History & Heritage Committee

The ASCE Seattle **History and Heritage Committee's** next meeting will be held on **Saturday, October 15, at 8:30am**. History & Heritage Committee meetings are held via Zoom. If you are interested in joining ASCE Seattle's History and Heritage Committee or attending their monthly virtual meetings, reach out to [Cindy Hirsch](#).

North Branch

Leadership Officers Needed

The North Branch is currently looking for motivated individuals to be part of the leadership team starting from October 2022 until September 2023. We have the position of Vice President (President-Elect) open. Please contact Tony Nguyen, Director of Branches, at

Diversity Committee

The next Diversity Committee Meeting is scheduled for **Tuesday, October 18 at 5pm**.

If you are interested in joining ASCE Seattle's Diversity Committee or attending their monthly virtual meetings, reach out to Diversity Chair, [Joshua Shin](#).

Younger Member Forum (YMF)

Interested in networking events and opportunities with ASCE Seattle's Younger Members? Be sure to [subscribe to the YMF Newsletter here](#) to stay up to date. Upcoming YMF events include:

- October Networking at the Pumpkin Patch on October 22 ([RSVP here](#)).

LOCEA Spotlight

Congratulations to the winners of the 2022 LOCEA Awards (presented March, 2022)! Each month we will be highlighting a different LOCEA award winning project. This month we are pleased to highlight the winner in the **Outstanding Geotechnical Project Category**:

River's Edge Levee Setback

Project Owner: Jamestown S'Klallam Tribe

Nominated by: Aspect Consulting

In 2020, Jamestown S'Klallam Tribe (JST) purchased 104 acres of farmland along the Dungeness River. Their goal was to restore the historical floodplain and salmon and increase flood protection. Key to achieving this was to remove a constricting U.S. Army Corps of Engineers (USACE) levee built in the 1960s and build a new setback levee to meet modern standards. JST turned to Pat McCullough at Engineering Services Association, Inc. (ESA) to lead the River's Edge Levee Setback Project. Pat enlisted Aspect Consulting's geotechnical engineers to design the levee and WEST Consultants for hydrology and hydraulics. The project is inherently connected with an adjacent levee for Clallam County being designed concurrently. ESA's team facilitated coordination between the County, USACE, and JST to mesh design elements and navigate the intricate permitting sequence. The design team reduced the impact and cost of importing construction materials by making maximum beneficial use of gravel from a nearby quarry pit and designing the levee specifically to capitalize on its availability. The levee was substantially designed in winter and constructed in summer of 2021. It features a gravel walking trail atop vegetated slide slopes, giving visitors a perch to watch as the floodplain reclaims the area.



[Read about all the LOCEA Award Winners here.](#)

K-12 Volunteer Interest Form

Are you interested in volunteering for K-12 STEM events and interested in inspiring the next generation of engineers?

If you answered **YES**, please fill out the google form to the right if you would like to be updated about future K-12 volunteer events in the Seattle Area. After you fill out this form, you will be notified of K-12 volunteer opportunities in the area. Please know that you are not required to sign up for any event by filling out this form.

Please contact Nicki Peden (K-12 Outreach Chair) at k12asce.seattle@gmail.com for any questions, comments or additional information



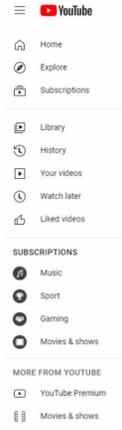
[Google Form](#)

Section Meeting Recordings Now on YouTube!

ASCE Seattle is now on YouTube!

Find recordings of our past Section Meetings and subscribe to our channel to catch future videos here:

[ASCE Seattle Section - YouTube](#)



ASCE Seattle Job Board

Current Job Openings:



Civil Engineer - SCJ Alliance

Date Posted: 8/22/2022

SCJ is seeking an energetic and skilled **civil engineer** in our Spokane, Washington office to provide expertise on a wide variety of projects. As a truly interdisciplinary firm with a fun and collaborative culture, you will find new challenges and new friends here.

if you are interested in joining our team and becoming one of our employee owners, visit our careers page on our website at <https://www.scjalliance.com/> to apply or send your resume to resumes@scjalliance.com.



Civil Project Engineer / Project Manager | Reichhardt & Ebe Engineering, Inc.

Date Posted: 9/27/2022

The Project Engineer / Project Manager is a member of the R&E engineering team and works closely with other project engineers, project managers, R&E principals, technical and administrative staff as well as R&E clients, and construction contractors. The Project Engineer / Project Manager is responsible for preparing designs and managing construction for municipal and private infrastructure projects. This work includes managing design teams including subconsultants, coordination and communication with the client, managing overall project scope, schedule and budget. Work includes office and field tasks, developing plans, specifications, and estimates, construction engineering, construction management, aiding in marketing efforts, development of scopes of work, development of fees and budgets, project management including providing direction and oversight to other engineers and technical staff as well as

Civil Engineer - Entry Level | Reichhardt & Ebe Engineering, Inc.

Date Posted: 9/27/2022

The Civil Engineer is a member of the R&E team and works closely with the project engineers, project managers, R&E Principals, technical and administrative staff, as well as Contractors and Client representatives. The Civil Engineer is responsible for the preparing designs for municipal and private infrastructure projects and assisting with construction management oversight. Work is mostly in the office, but does include some field work, which provides an opportunity for the engineer to implement their design work and gain valuable experience through field observation. Work includes developing roadway, storm, sanitary sewer, and water main designs of municipal transportation and utility infrastructure, construction engineering and construction management support, as well as communicating with Clients, Contractors, and office staff.

Please click [here](#) to view full job description and apply.

communicating with clients, contractors, and office staff.

Please click [here](#) to view full job description and apply.

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Advertise your current open positions to ASCE Seattle members today for only \$75 for the first month and \$50 for each subsequent month of the same content.

[Email communications@seattleasce.org to learn more.](mailto:communications@seattleasce.org)

DID YOU KNOW?

All ASCE Seattle Members are always invited to join the Seattle Section Board Members at the monthly Board Meeting. Interested in attending? Check the [calendar on the ASCE Seattle website](#) for the meeting time and location and email president@seattleasce.org if you plan on joining us!

Are you passionate about social media? Interested in helping the Seattle Section grow our virtual presence? Reach out to our Communications Chair at communications@seattleasce.org, we're looking for creative minds to help grow and improve our social media!

