

THE

INFORMANT

NEWSLETTER OF THE MAINE SECTION ASCE

April 2021



From the Editor:

April is here!

The Maine Section is excited for the events coming up, there are a lot of opportunities to learn and get PDH's virtually. The Senior Capstone Projects need judges so please reach out if you are available and the Technical Seminar is 8 PDH's over two days, so make sure you register online! The ASCE Awards are back and nominations are due April 30th.

Are you interested in getting more involved with ASCE? We are looking to add members to our Board, please email John Kuchinski johnkuchinski12@gmail.com for more information!

We miss you all and hope to see you soon!

Heather

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Maine Section ASCE - Save the Date(s)

April 2021

				1	2	3
4 Happy Easter! 	5	6 Roadway Crossing Workshop	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22 UMaine Capstone Presentations	23	24
25	26	27	28 Tech Seminar	29 Tech Seminar	30 ASCE Award Deadline	



President's Message

As I walked around outside today I noticed trees were starting to bud, the ice was melting on the lake in front of our house, and our flower bulbs were starting to pop through. It has certainly been an early start to spring and hopefully we are on a fast track to warmer summer temperatures where the air will be filled with laughter of people gathering after a long year of social distancing. While the state is starting to open back up, the board has decided to keep our meeting events virtual for the remainder of this year and come back to in person events next fall.

We are currently looking for judges to review the University of Maine Civil Engineering Student's Capstone Projects on April 22. The students will be submitting video presentations of their senior capstone projects in advance for the judges to watch and come up with questions. The town hall event April 22 will consist of a Q&A session between the judges and the students. Look for more information in the informant of how to sign up. This is always a great event to see what the students have designed over the past year.

We have put together a great program with a variety of presentations for our Annual Technical Seminar on April 28th and 29th. Remember this is a PE renewal year and this is a great way to earn up to 8 PDH's over two days without even leaving your home! Look for more information in the informant of how to register today!

On March 4 and 5, we met with our U.S. Congressional Delegation as part of ASCE's annual "fly-in" event. We had a great discussion with each member about the grades in the 2021 ASCE Report Card on National Infrastructure and how it compares to Maine's 2020 Report Card. We also discussed the importance of working together to create a bipartisan Infrastructure Investment package to help jump start the economy and improve the foundation of our country in the process.

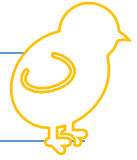
Save the Date for June 3, at 4:00 pm for our Maine Section Annual Meeting. As a reminder, each year the Maine Section of ASCE gives out awards to deserving individuals along with a project during our annual meeting. I would encourage everyone to take a moment to think about deserving individuals around you and encourage you to submit an application for one or more of the following awards (more information can be found in the informant):

- [Civil Engineer of the Year](#)
- [Young Civil Engineer of the Year](#)
- [Maine Section Citizen Engineer of the Year](#)
- [Kitty Breskin Project of the Year](#)

Sincerely,

Dan Bouchard, P.E.

Maine Section ASCE President



Maine Section ASCE Annual Technical Seminar (Virtual) April 28th and 29th, 2021

Register Today: <https://www.eventbrite.com/e/maine-section-asce-technical-seminar-tickets-144231142229>

ASCE Member: \$120
Non-Member: \$150
Municipal/Government Employees: \$90
Life members/Retirees/Students: \$60

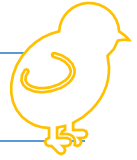
Wednesday, April 28th

- 8:00 – 8:10 **Welcome Remarks**
- 8:10 – 9:10 **Using Engineering and Technology to Solve our Waste Management Issues – Where does it go and what happens to it all??**
Presented by: Katrina Bussiere-Venhuizen, ecomaine
- 12:00 – 1:00 **Using Trenchless Non-Circular Rehabilitation in Sewer and Culverts to Save Infrastructure**
Presented by: Andy Sherwin, Channeline International
- 2:00-3:00 **Blue and Green Corridors Project located in the Gentilly Neighborhood of New Orleans & Moon Tide Park at the Amethyst Lot in Portland, Maine**
Presented by: Amanda Ludlow, Stantec
- 3:05-4:05 **Coastal Erosion Control: Making a Case for Living Shorelines**
Presented by: Peter M. Hanrahan, CPESC, Hanrahan Environmental, LLC

Thursday, April 29th

- 8:10 – 9:10 **Community Mapping for Coastal Resilience**
Presented by: Gayle Bowness, GMRI and Lucy Perkins, City of South Portland
- 12:00 – 1:00 **Resilient Infrastructure: Making the Case for Fiber Reinforced Polymer Structures**
Tim Kenerson (AIT Composites)
- 2:00 – 3:00 **Furthering Living Shoreline Approaches in Casco Bay, Maine**
Presented by: Peter Slovinsky, Maine Geological Survey, Department of Agriculture, Conservation and Forestry
- 3:05 -4:05 **Accommodating Aquatic Life Habitats within Streams and Culverts**
Shane Scott, S. Scott & Associates, LLC

*Email Don LeBlanc for more information! don@dlviews.com



Judges Needed! Virtual Town Hall Meetings

APRIL 22, 2021 4:30 PM

2020-2021 Academic Year UMaine Civil & Environmental Engineering Senior Design Projects

Student teams will prepare 20-minute videos summarizing their work. These videos will be made available to the judges, project representatives, and the public a few days before this year's Virtual ASCE Gala Event to be held April 22 beginning at 4:30 PM via Zoom. During the event, each group will answer questions from the audience, starting with the judges, for approximately 20 minutes. Please contact edwin.nagy@maine.edu directly if you are interested in helping the next batch of Maine's civil engineers develop their professional skills before they come work for you.

I would like to thank all the project representatives for taking the time to work with our students throughout the year and giving them some real problems to tackle.

Atlas Engineering

Town of Corinna, ME

The team investigates options for the reuse of an existing school building and site. The design includes redevelopment of recreational areas and recommendations on demolition and renovation limits as well as a cost study of the various options.

CT-PAC

Town of Waldoboro, ME

The team presents options for a parking lot purchase and renovation and drainage improvements at Duckpuddle Rd. Design questions include ADA access, traffic improvements, green space development, and under-road fish passage.

Eagle Eye Engineering

RSU 63, Holden, ME

The team explores options for transportation improvements around Holbrook Middle School. Designs provide for improved bus and personal vehicle access, and improvements to the traffic flow to and from Rte 46. Site retaining walls, building entrance location, and on-site pedestrian movement are included.

Forces to be Reckoned With

Greater Augusta Utility District

This group is looking at three smaller designs around Carlton Pond. They are designing culvert extensions, a road extension with multiple stream crossings, and erosion prevention measures at a third section of road.

Jaedengineering

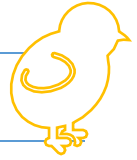
Deer Isle, ME

The team proposes an open-bottom culvert design to allow under-road fish passage in a tidal zone. The design includes road improvements and construction detour planning.

Mary & Sons

Town of Waldoboro, ME

This team is designing a series of walking trails including a new pedestrian bridge over the Medomak River and an under-road pedestrian passage at the site of an existing culvert beneath Rte. 1. The walking trail includes both paved and unpaved sections.



MMACK Truck

The team designs a water supply project for Ixtupil, a village in a mountainous area of Guatemala. The design includes pressure control, water treatment and storage, and the development of educational materials.

Notorious CIVs

A site with an existing commercial building is examined as a possible location for a new fire station. The team looks at reuse or replacement of the building, site drainage, and vehicle access.

Team Jay

The team develops a feasibility study for a sludge composting facility at the site of a former waste-water treatment plant. The design includes both structural and process components, and the study includes long term financial predictions.

The UMaine Dudes

The team redesigns three intersections to improve safety. The work includes improved signage, grade change recommendations, and an analysis of intersection control options. In addition, the team provides designs for an improved Park-and-Ride facility and a section of sidewalk.

Engineers Without Borders

Corinna, ME

Town of Jay, ME

Town of Waldoboro, ME

Student Chapter Update

Practitioner Presentations, No Pizza

Thank you to all of our recent presenters!

- On February 24th, Chris Daubert, Benjamin Smith, Thomas Gleeson, and Michelle Hale spoke as Younger Members of ASCE in a panel-style presentation. In our best-attended meeting yet this semester, the YMs answered questions about graduate school, what it's like to transition to the workforce, how they found their jobs, what they wish they'd known as students, and more.
- On March 10th, we were joined by the Maine Section's very own President, Dan Bouchard. Dan shared details on several transportation and construction inspection projects he has worked on, ranging from a giant interchange in Georgia to toll booths on the Maine Turnpike. Dan compared his experiences in large firms working on design-builds to working in a smaller firm. Finally, he spoke about the Maine Section, what it does, and how to get involved after graduation.

Attend a Virtual Meeting

Our meetings are always open to UMaine alumni and Maine Section members. The zoom link to join is the same every week, and they always occur at noon on Wednesdays.

Join from PC, Mac, Linux, iOS or Android:

<https://maine.zoom.us/j/81643938188?pwd=Zm9XVVgxdE9HVFPtDUc0T3l0ZXgzQT09>

Password: ASCE

We also try to record as many meetings as possible. The links to our recorded meetings are stored in this document:

https://docs.google.com/document/d/1bfTpGj8PvwF5qdf7y19ghQPEN-bSVW4t_jFMCbWLn8I/edit?usp=sharing

Present at a Virtual Meeting

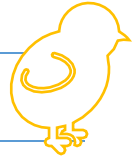
We are still looking for speakers for the rest of the semester! Virtual meetings are a great way to get the word out about your firm to juniors and seniors, and give all students an idea of what working as a professional will be like. We aren't limited to technical presentations, either--past meetings that focused on "soft skills" and experiences have been big hits.

If you are interested in presenting for our student chapter, please contact Vice President Alden Burns at alden.burns@maine.edu.

Sincerely,

Maeve Shea

UMaine ASCE Student Chapter Vice President



Maine Section ASCE AWARDS!

Our Section continues to win national awards because of all of our great members! To help say thank you, each year, the Maine Section ASCE recognizes an Engineer of the Year, a Young Engineer of the Year, and a Citizen Engineer. Many of our colleagues often go unrecognized for their contributions, and this is the opportunity to express gratitude for the good work and service to the community that they provide. Please consider submitting a nomination for one or more of the awards this year. The award forms are attached to the email.

Civil Engineer of the Year – presented annually to an individual who is a P.E. in Maine, has demonstrated noteworthy engineering skills, and commendable contribution of their time to the betterment of society.

Young Civil Engineer of the Year – recognize the professional contributions of younger civil engineers. The recognition is made to an engineer who is an EIT or PE in Maine and is 35 years of age or less on May 1st of the year of the award and has attained professional achievement.

Maine Section Citizen Engineer – This award is to recognize Civil Engineers who are known for volunteering their expertise to help in their community or at a national level. These individuals have contributed significant personal energy to enhance the recognition of civil engineering as a respected profession through their involvement.

Submit your nomination forms and supporting information to the chair of the awards committee chair, Philip Dunn at the following mailing address: University of Maine, School of Engineering Technology, 5711 Boardman Hall, Room 119, Orono, ME 04469-5711 or through email at philip.dunnjr@maine.edu.

Kitty Breskin Project Award –

Maine ASCE has instituted the project award in honor of the late Kitty Breskin, P.E., a Maine Department of Transportation engineer and a past-president of Maine ASCE. The inaugural winner of the Kitty Breskin Project Award, presented at the May 14, 2015 annual meeting, was in fact the MaineDOT's Kitty Breskin-Muscongus Bridge Project. The project was honored for its innovative use of technology and important contribution to infrastructure in Maine.

In order for other projects to be considered for the award they will have to show the same innovation and contribution to the community as the inaugural award. The Maine Section Award committee will review nominations and notify the winner by May 15th. The award presentation will be made and the project will be featured at the Maine Section annual meeting typically held the third week in May. Nominations are to be submitted via mail to the ASCE President and received by 5 p.m on April 30. This year's projects will be submitted to Dan Bouchard, Maine Section ASCE President, 2020-2021. President.ASCEmaine@gmail.com

The nomination material should provide information on the project and its features. Examples to include would be how the project provided safety improvements, environmental benefits, was cost effective, had a shortened schedule, charitable aspect, unique design for Maine, or was first of its kind in Maine. Every project nomination does not need to have all of these mentioned but should showcase if applicable as they will be weighed heavily. Nominations should be limited to 6 pages total not including pictures (3 pages double sided or 6 single sided pages). Pictures need to be provided on a cd or memory stick and become the property of Maine Section ASCE to display as part of the award process. The project must be substantially built by April 15th of the year being nominated for and the design team and/or the project must be based in Maine.

Nominations will be received until **April 30, 2021.** *

[*Please email Heather.Hayes@sewall.com for application forms!](mailto:Heather.Hayes@sewall.com)



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ROAD CROSSING WORKSHOP

TUESDAY, APRIL 6, 2021
To Be Held Online

WORKSHOP: 8:30 am - 12:00 pm
Workshop is free of charge but pre-
registration is required

This workshop is designed for professionals responsible for road-stream crossings

- We will cover road-stream crossing projects from site assessment to permitting and installation.
- Emphasis is on maintaining and restoring aquatic habitat and economic values of the stream.
- Workshop presenters include professionals from state and federal agencies and statewide non-profits.
- Participants can receive recertification credit for Maine DEP's Voluntary Contractor Certification Program.

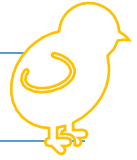
Online Registration at
maineaudubon.org/streamsmart

For more information contact:

Hannah Young, hyoung@maineaudubon.org, 207-781-2330 ext. 219

MAINE 
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This workshop is made possible by support from the National Fish and Wildlife Foundation and additional partners. See a full partner list at streamsmartmaine.org



SAVE THE DATE
Looking for SPONSORS and TEAMS!

Maine Section of the American Society Civil Engineers
28th ANNUAL CHARITY GOLF TOURNAMENT

Friday, June 4, 2021

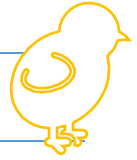
Turner Highlands Golf Course

10 Highland Ave, Turner ME 04282

All proceeds of the event benefit local students interested in pursuing careers in the A/E/C industry.

Join us on Friday, June 4, 2021 as we raise funds for aspiring students and have fun doing it!

Email Heather Hayes heather.hayes@sewall.com or Tom Perkins tperkins@dirigoae.com for more information.



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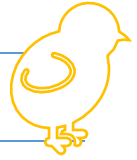
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Extension Agricultural Engineer Professional

The Extension Agricultural Engineer Professional will support Maine's farm-based, producer community by providing civil and mechanical engineering advice. Typical hiring range for this soft-money funded position is \$65,000 to \$70,000, commensurate with experience and qualifications. For a complete job description, and to apply: <https://umaine.hiretouch.com/job-details?jobID=67210&job=extension-agricultural-engineer-professional>





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MaineASCE Board & Committee Contacts

NAME	POSITION	COMPANY	EMAIL
Leadership Board			
Dan Bouchard	President	WSP	President.ASCEmaine@gmail.com
Esther Bizier	President-Elect	Main-Land Development Consultants, Inc.	ElectPresident.ASCEmaine@gmail.com
Tom Perkins	Vice President	Dirigo Architectural Engineering	VicePresident.ASCEmaine@gmail.com
Lynn Frazier	Treasurer	Sewall Company	Treasurer.ASCEmaine@gmail.com
Heather Hayes	Secretary	Sewall Company	Secretary.ASCEmaine@gmail.com
Don LeBlanc	Director (Year 3)	DLVEWS, Inc.	Director3.ASCEmaine@gmail.com
Lindsey Kandiko	Director (Year 2)	MaineDOT	Director2.ASCEmaine@gmail.com
Nate Powelson	Director (Year 1)	Criterion Engineers	Director1.ASCEmaine@gmail.com
John Kuchinski	Past President	City of Lewiston	
Committee Chairs			
Tom Perkins/Heather Hayes	A/E Golf Tournament Awards	University of Maine	Philip.Dunnjr@Maine.edu
Phil Dunn	Diversity	Main-Land Development Consultants, Inc.	
Esther Bizier			
Lauren Swett	E-Week Organizing Committee	Woodard & Curran	Lswett@woodardcurran.com
Will Haskell	History & Heritage Co-Chair	Gorrill-Palmer	WHaskell@gorrillpalmer.com
Heather Hayes	Informant Chair	Sewall Company	Informant.ASCEmaine@gmail.com
Peter Merfeld	Infrastructure Report Card	Maine Turnpike Authority	pmerfeld@maineturnpike.com
Mike St. Pierre	Legislative Affairs	S.W. Cole Engineering, Inc.	
Tim Merritt	Life Member Activities	Stantec Consulting Services	tim.merritt@stantec.com
John Kuchinski	Membership		
	Nominating		
Don LeBlanc	Program		
	School Age Outreach		
Mike St. Pierre	Public Relations	S.W. Cole Engineering, Inc.	
Leslie Corrow	Scholarship	Kleinschmidt Associates	Leslie.Corrow@KleinschmidtGroup.com
Heather Hayes	Technical Seminar		
CeCe Mceachern	UMaine Student Advisor/Practitioner		
	UMaine Faculty		
Eric Landis	Advisor	University of Maine	landis@maine.edu
Heather Hayes	Transportation Conference		