



From the Editor:

Summer is in full swing and I hope you have not missed your Maine Section too much while soaking up the sunshine!

Our annual scholarship fund golf tournament was RESCHEDULED due to rain for August 2, 2019! If you are interested in throwing a team together, or your company sponsoring, please email Derek ASAP!

While we are on summer break, please follow our Facebook page for any updates or events, we may add some happy hours/meet ups and don't want you to miss out!

If you have ideas, suggestions, questions, etc. please feel free to contact us at <u>Informant@maineASCE.com</u>.

I hope to see you soon!

Heather

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	Iviaine Section ASCE - Save the Date(s)								
July/August 2019									
7/14	7/15	7/16	7/17	18	19	20			
21	22	23	24	25	26	27			
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Meet the 2019 – 2020 Maine Section Board

John Kuchinski, PE (2019 President)



I am a graduate of the University of Massachusetts, Dartmouth with a bachelor's degree in Civil Engineering. I have been involved in site design and land development design for nearly 35 years. I have been a member of ASCE since my sophomore year in college. Recently I have become a Fellow Grade Member of ASCE. I am looking forward to a great year for the Maine Section of the ASCE and we have a great group of talented people on the Board. Outside of the office I enjoy the great outdoors with my family.

Daniel Bouchard, PE (President-Elect)



I am a Maine native growing up in Caribou and Old Town. I am a 2012 graduate from the University of Maine with a Bachelor of Science in Civil Engineering and a minor in Construction Management. I am a registered professional engineer in Maine and currently live in Windham with my wife and two dogs. In my spare time, I enjoy being outside enjoying the great Maine weather, boating, skiing, beekeeping, and doing home improvement projects. I became active in ASCE as a student and have continued to stay involved after graduating. For me, ASCE has become way to interact with other professionals in the field of engineering and a way to help inspire the next generation.

Mat Hardison, PE (Vice President)



I am originally from Durham, Maine and now live in New Gloucester, Maine and work as a geotechnical engineer for Summit Geoengineering Services. I graduated from the University of Maine Civil and Environmental Engineering Program with my Bachelor's Degree in 2013 and Master's Degree in 2015 with a concentration in geotechnical engineering. As a member of the Maine ASCE Board, I hope to continue to learn as much as possible about the inner workings of ASCE and contribute the organization's success. My goals for the next five years include continued growth as a geotechnical engineer and to develop professional and personal relationships with colleagues. Outside of the office I enjoy fishing, hiking, camping, and brewery touring.



Esther Bizier, PE (Treasurer)



I was born, raised and live in Livermore, Maine. I graduated from the University of Maine in 2012 with a Bachelor's Degree in Civil and Environmental Engineering. During my time at UMaine, I was an active member of the ASCE Student Chapter, serving as Treasurer and President. After college, I became involved with the Maine Section of ASCE and enjoy the many opportunities it provides members. I am excited to continue working with the Student Chapter developing programs, such as our student ski day, to foster interaction, networking and relationships between students and professionals. In the next five years I would like to continue to take on leadership roles in ASCE and mentor young engineers just entering the profession. Outside of ASCE and work I am active in my community and church; helping out with local events and fundraisers, serving on the board of Maine's

Paper and Heritage Museum, and playing clarinet in the Spruce Mountain Community Band. I also enjoy spending time outside in western Maine – running, hiking, paddleboarding, swimming and cross country skiing.

Thomas W. Perkins, PE (Secretary)



Tom received his BS in Construction Management Technology in 1996 from the University of Maine. He has worked as a construction manager and engineer all over the country, and started his own firm, Dirigo Architectural Engineering, in 2009. He is a licensed professional engineer (architectural discipline) in three states, and is a member of the adjunct faculty at UMaine. He also sits on the Board of the Lewiston/Auburn Chamber of Commerce. Tom actively volunteers his time to coach youth sports and mentors students pursuing a career in engineering and construction.

Heather Hayes, PE (Year 3 Director, Editor The Informant)



Heather is a structural and traffic engineer at James W. Sewall Company. She graduated from the University of Maine in 2011 with her BS and 2013 with her MS in Civil and Environmental Engineering with a structural focus. Prior to working for Sewall, she worked Louis Berger for 5 years as a structural bridge engineer working on transportation projects in Maine, Rhode Island, Georgia, Massachusetts, and New Hampshire. She has been the Public Outreach Chair for the YM Group and Informant Editor since 2014. When not solving the world's problems one traffic signal at a time, you can find her at the gym, hiking, visiting breweries, playing field hockey and softball, or snuggling her pets. She has her CrossFit Level 1 and USA Weightlifting Certifications and coaches locally.



Don Leblanc, PE (Year 2 Director)



Don LeBlanc is the president of DLVEWS, Inc. He has been in the industry for 11 years. He started his career as a design engineer for storm water treatment devices and storage solutions. During those years he has had an opportunity to work closely with consulting engineers, DOT maintenance crews, and other entities. Mr. LeBlanc holds a BS in Civil Engineering from the University of Maine and is a registered Professional Engineer. His company specializes in infrastructure rehabilitation which includes trenchless culvert rehabilitation, sub grade fill applications, and manhole and pipe rehabilitation across the northeast. Don is an active member of the culvert committee of the Transportation Research Board and a member of the ASCE Maine Chapter.

Lindsey Kandiko (Year 1 Director)



Lindsey is a 2015 graduate from the University of Maine with a BS in Civil and Environmental Engineering. She joined the Department of Transportation in 2016 as an Assistant Engineer for the Western Maine Region. At the DOT, she works mostly on roadway rehabilitation and large culvert replacement projects. She was involved in ASCE through college, where she was on the student chapter board, concrete canoe captain, and planner of the 2015 regional concrete canoe competition. She recently helped judge at the regional student conference held by the University of Maine. When not at work, she enjoys rafting, running, hiking and canoeing

Lucas Stiles, PE (Past President)



I grew up in Blaine, Maine and currently live in Carmel. I became an active member of ASCE as a freshman at the University of Maine. While at the University I served as cocaptain of the concrete canoe team and the vice president of the student chapter of ASCE. After graduating with a Bachelor's Degree in Civil Engineering in 2008 I became a practitioner advisor to the student chapter and joined the executive board in 2012. I have made some incredible friends through my involvement in ASCE over the past 12 years and I hope that in the next 5 years I can continue to meet new people and make more lifelong friends. When I'm not busy with work or ASCE I enjoy skiing, working on my house, and riding my motor cycle.





UMaine Student Chapter Update

UMaine at ASCE Nationals

In June, the University of Maine's Sustainable Solution Doghouse team flew down to Melbourne, Florida to compete at ASCE Nationals. Representing UMaine were juniors Lauren Labbay, Peter Cogley, Ruby Guevara and senior Matthew Lambert. The Sustainable Solution competition had eight teams competing. These teams came from across the country and one internationally from China.

The goal of the Sustainable Solutions competition is to design and build a dog house for a natural disaster type event, including testing the structure to withstand a 200 pound load. The competition also consisted of an essay about the process of the design, a timed build of the dog house, aesthetic judging, and an oral presentation.

A large focus of this competition is the sustainability aspect. UMaine chose to build their house out of wood since it is very abundant in Maine. Trees can easily be planted to replace those cut down, this helps with sustainable harvesting. The team also used pellet bags that were donated from a local animal orphanage to help waterproof the roof. Lastly, teams were encouraged to add a whimsical element to their design. UMaine decided to decorate the front of the house with a cherry blossom tree. The dark pink colored wood was stained with leftover berry juice from a dining hall.

Although UMaine didn't place in the top 3, ASCE Nationals was a great learning experience and opened eyes to many possibilities for the future. Other schools used many different types of materials like bamboo, cardboard, and styrofoam. This competition was also a confidence booster for public speaking. UMaine prepared a slideshow and each team member had turns talking in front of a panel of judges and audience members.

UMaine would like to thank the ASCE Maine Section for their help with funding for the trip. Without the generous donation received, the team would not have been able to go. This trip provided insight for future competitions and also gave lifelong memories for the members.



Upcoming Semester

We are excited for the upcoming school year as an ASCE Student Chapter. We have a kickoff BBQ planned for our chapter in September as well as other plans on the horizon. Also if you would like to be a speaker for our P3: Practitioner Presentations & Pizza series we would love to hear from you! These presentations are a great way for our student members looking for summer internships and full time positions to relate course content to the broader profession, and network. Please contact Alden Burns (alden.burns@maine.edu) to inquire about getting on the schedule.

Thank you for all your support!



Request for Capstone Design Projects – University of Maine Capstone Design Experience

The Civil & Environmental Engineering Department is currently seeking submissions for student capstone design team projects. The civil engineering capstone project is a two-semester experience starting August 2019, where students transition from their academic experience to a professional experience. It is a great opportunity for students to apply the many skills learned through coursework to real world civil engineering projects. The final product of the fall semester will be a comprehensive proposal to the project client from each capstone team. In the spring semester, the engineering and design work as proposed will be performed and a design report written. In



addition to the specific technical engineering work, final engineering reports are additionally expected to address the following broad issues: economic, environmental, social, political, ethical, health and safety, constructability, opinions of cost, and sustainability. Student capstone teams give project presentations to faculty/clients at UMaine in mid-April 2020 and present project posters the May 2020 Maine ASCE Student Gala held on UMaine Campus.

Typical projects must encompass at least three of the five primary specialty interests (e.g., geotechnical, environmental, water resources, structures, transportation and construction). Each team of up to five students will work with the 'client' and UMaine faculty to scope the project appropriately to meet client and departmental objectives in conjunction with team abilities and timelines. Past project clients have included non-profits, towns and municipalities, citizen groups, and businesses. Past projects have included site development, design of structures, recreational facilities, transportation features, and more recently designs for the Brunswick-Topsham Water district buildings and water treatment system, a redesign of the Readfield transfer station, culvert, stream restoration, and wetlands restoration projects in Acadia National Park, and building design concepts for the UMaine Alfond Hockey Arena.

To submit a project idea for UMaine Civil Engineering Capstone and for more information, please contact Edwin Nagy (email preferred) by August 15, 2019. I can work with you to scope an appropriate project for the student teams that meets your requirements and requests, and the CIE Departments education and accreditation goals.

Edwin Nagy, Ph.D., P.E., S.E. Lecturer Department Civil & Environmental Engineering University of Maine E: <u>Edwin.nagy@maine.edu</u> T: 207.581.2164



Maine

Ahead

Building a Better Gatemon





Piscataqua River Bridge Rehabilitation

5 Tips For Smooth Travel



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It's much narrower during construction.



Slow Down

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It creates unnecessary delays.



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Alfond Leaders

The Alfond Leaders student loan debt reduction program provides student loan repayment assistance to people who live and work in Maine in a STEM (Science, Technology, Engineering and Math) designated occupation at a Maine-based employer.



Alfond Leaders may qualify for loan repayment up to half of their outstanding student loan balance at the time of application to the program, not to exceed \$60,000. Awards are paid in two installments; the first installment will be paid after three years of qualifying employment and the second installment will be paid after an additional three years of qualifying employment.

ELIGIBILITY:

- Maine residents or persons who will become Maine residents upon being hired by a Maine-based employer
- A person employed, or who will be employed, by a Maine-based employer in a designated STEM occupation
- An applicant must have a higher education degree or certificate
- An applicant must have outstanding student loan debt



For more information or to apply visit: AlfondLeaders.org



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The Clubhouse at the Springbrook Golf Club

PLAYER 1:	PLAYER 1 18 HOLE SCORE:
PLAYER 1 EMAIL:	
PLAYER 2:	PLAYER 2 18 HOLE SCORE:
PLAYER 2 EMAIL:	52 5
PLAYER 3:	PLAYER 3 18 HOLE SCORE:
PLAYER 3 EMAIL:	
PLAYER 4:	PLAYER 4 18 HOLE SCORE:
PLAYER 4 EMAIL:	



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Congratulations to the 2019 Winners!

Annual Meeting Photos!



















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Business Cards

Do you run your own consulting firm, or have a business that the Maine engineering community should know about? Advertise with a business card!

Business card listings run for 1 year, including 9 issues of the Informant and full time on the website.

Cost: \$150.00 Discounts Available: Purchase a 1-year Business Card ad and receive a \$25 discount on a Job advertisement!

Job Listings

Advertise for new employees at any level – students, EITs, and PEs will all see your ad.

Job advertisements are posted in one issue of the Informant, and will run on the website for one month.

Cost: Quarter Page (3.75"x5") - \$35 Half Page (7.5"x5") - \$75 for 1 month

- \$500 for 1 year (9 issues)

Full Page (7.5"x10") - \$150 for 1 month

-\$1000 for 1 year (9 issues)





MaineASCE Board & Committee Contacts

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The deadline for submissions is the 20th of each month prior to publication.