



THE INFORMANT

Newsletter of the Maine Section ASCE

April 2005

Maine Section seeks nominations for Engineer and Younger Engineer of the Year

With over 600 members of ASCE in Maine, we know that among us are many great engineers, young and old, working on many types of projects that are improving the infrastructure in Maine and beyond. Given this fact, the Maine Section continues to seek nominations of particularly outstanding individuals for the honor of Engineer of the Year and Younger Engineer of the Year. Generally all that is required for the nomination is a letter expressing why the individual deserves this award and a copy of the nominee's resume. The Engineer of the Year is required to be a registered PE and the Younger Engineer would be under 35 years of age and obtained their EIT certification. Neither is required to be a member of ASCE. ***To date, the Section has not received a single nomination for either of these awards.*** If you would like more information or would like to nominate someone, please contact Phil Dunn at Philip_Dunn@umit.maine.edu or 207-581-2326. Nominations must be received prior to April 22, 2005.

From the Editors - *Need to update your address or email?*

As the Editors of the newsletter, we are always happy when we receive feedback or questions from the membership as it presents a key opportunity for us to help improve the service that we provide. However, regarding address and email updates, this can only be handled directly by members with ASCE National. At the local level, we obtain the most recent membership data (email, addresses) from ASCE National's database. So if you would like to check or update your contact information, please visit www.asce.org or contact ASCE at (800) 548-2723.

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Joint ASCE Student Chapter/Maine Section ASCE Meeting
University of Maine
Thursday, April 14, 2004

Speaker: Michael Pullen, Principal Architect, WBRC

Topic: **LEED Initiatives and Sustainable Design**

Synopsis: Mr. Pullen will provide an overview of the LEED rating system and present details on projects that exemplify integrated sustainable site and building systems.

Speaker Bio:

Mr. Pullen is currently the principal architect of WBRC Architects/Engineers in Bangor where he has worked for the past 26 years. In addition to his accreditation as a LEED professional, he is also member of the Maine Registration Board of Architects, L. Architects and Interior Designers, Maine Chapter of the American Institute Of Architects (AIA), Maine Preservation-Advisory Trustee Blaine House Commission, and the Maine Chapter of U.S. Green Building Council (USGBC).

The activities during the social hour prior to the meeting will include the grand reopening of the ASCE Room (Room 309) in Boardman Hall. Students will also have materials and displays highlighting this year's Senior Capstone Projects. Refreshments will be available.

Schedule of Events: **5:00** *Social Hour and Grand Re-Opening of ASCE Room (309 Boardman Hall)*
 6:00 *Dinner (Wells Commons)*
 7:00 *Presentation*

Price: \$25 members, \$10 students and unemployed members

Contact: Anik Nadeau, Vice President
 UMaine ASCE Student Chapter
 5711 Boardman Hall
 Orono, ME 04469-5711
 Anik_Nadeau@umit.maine.edu

Reservations due by Wednesday April 6th.

Maine Section Board Election Ballot

Please return your ballot to Tim Merritt by May 24, 2004 or turn it in at the May Meeting. This ballot has been pre-addressed on the back for your convenience. Simply fill out the ballot, fold it to show the address on the back and attach the correct postage. If you seal the ballot, remember to use tape, not staples. If you would like to respond electronically, please send an email with your choices to tmerritt@tylin.com with the subject "Maine Section Board Election Ballot".

Your ballot is important. If you wish, please feel free to write in appropriate member candidates.

Please choose one for each office:

- | | | |
|--|--------------------------|---------------------------|
| President: | <input type="checkbox"/> | Bob Chaput (Elected 2003) |
| President Elect: | <input type="checkbox"/> | Peter Merfeld |
| | <input type="checkbox"/> | _____ (write-in) |
| Vice President: | <input type="checkbox"/> | Tim Merritt |
| | <input type="checkbox"/> | _____ (write-in) |
| Secretary: | <input type="checkbox"/> | Erik Wiberg |
| | <input type="checkbox"/> | _____ (write-in) |
| Treasurer: | <input type="checkbox"/> | Chris Taylor |
| | <input type="checkbox"/> | _____ (write-in) |
| 2 nd Year Director: | <input type="checkbox"/> | Walter Fagerlund |
| | <input type="checkbox"/> | _____ (write-in) |
| 1 st Year Director: | <input type="checkbox"/> | Adam Meyer |
| | <input type="checkbox"/> | _____ (write-in) |
| 2 nd Year New England Delegate: | <input type="checkbox"/> | Jeremy Bragg |
| | <input type="checkbox"/> | _____ (write-in) |
| 1 st Year New England Delegate: | <input type="checkbox"/> | Katherine Kern |
| | <input type="checkbox"/> | _____ (write-in) |

Candidate Biographies

President - Bob Chaput

Mr. Chaput joined S. W. COLE ENGINEERING, INC. in May 1990 after obtaining a B.S. in Construction Management Technology from the University of Maine. Mr. Chaput is a Vice President/ Senior Geotechnical Engineer and office manager of the S. W. COLE ENGINEERING, INC. branch office in Augusta, Maine. His responsibilities include project management of geotechnical engineering projects including technical analysis and design of shallow and deep foundations, retaining walls and earth slopes. He is a Registered Professional Engineer in Maine and New Hampshire. He has been a member of ASCE since 1997. Currently, he is serving as the Maine Section Vice President. Mr. Chaput is currently pursuing a M.S. in geotechnical engineering from the University of Maine (graduate Spring 2004).

Candidate for President Elect - Peter Merfeld

Mr. Merfeld is a Licensed Professional Engineer in Maine and has a B.S. in Civil Engineering from the University of Maine (89) and a Master's in Business Administration from Thomas College (99). Mr. Merfeld has been with the Maine Turnpike Authority since 1997 and has been the Chief Operations Officer since December of 2000. Mr. Merfeld is active in many associations including serving as interim Secretary of the Maine section, American Society of Civil Engineers (ASCE) February 2003 to present, Chairperson, Annual Maine Transportation Conference Organizing Committee, 1999 & 2000, and a member of the committee, 1998 to 2001; serves presently on the Board of Directors, Associated Constructors of Maine, 2002 to present (3 year term); Co-Chairperson for ACM/MTA joint Infrastructure committee, 1999 to present; Co-Chairman of the Maine Turnpike's joint Management/Labor (Maine State Employee's Association-MSEA) Safety Committee from 1998-2003; and is a member of Institute of Transportation Engineers (ITE) and the Maine Better Transportation Association (MBTA). Mr. Merfeld is currently the Secretary for the Maine Section.

Candidate for Vice President - Tim Merritt

Mr. Merritt received BSCE from UMaine in 1992 with High Distinction. From 1999-present he has been employed by T.Y. Lin International; Falmouth, ME and was recently promoted to Associate and serves as the Structural Group Administrative Director. From 1992-1999 he worked as a Bridge Engineer for the Federal Highway Administration designing and constructing bridges in National Parks and Forests. He has designed large bridge replacement and rehabilitation projects in Maine, Massachusetts, Illinois, Virginia, Georgia, Washington, Oregon, Montana, Wisconsin, and Utah. Tim is a PE in Maine & Virginia. Tim served as Treasurer in 2003-2004 and 1st Year Director in 2002-2003, and attended the 2003 Zone I Workshop for Section and Branch Leaders.

Candidate for Secretary - Erik Wiberg

Erik Wiberg is a Senior Geotechnical Engineer with R.W. Gillespie & Associates, Inc. of Saco, Maine. Erik is presently serving as a 2nd Year Delegate for the ASCE Maine Section Board of Directors. Erik recently served as chair of the 2004 Maine Engineers Week Committee and is presently vice-chair of the Maine Engineering Promotion Council (MEPC). Erik holds Bachelor and Master of Science degrees in civil engineering from Ohio State University with concentrations in geotechnical engineering and hydraulics/hydrology.

Continuing as Treasurer – Chris Taylor

Mr. Taylor received a BS in Civil Engineering from the University of Maine in 1994 with highest honors and an MS in Civil Engineering from Clarkson University in 1995. Since 2001, he has worked as a Structural Project Engineer with T.Y. Lin International, Falmouth, ME. From 1996 to 2001 he worked as a Bridge Engineer with J. Muller International, Chicago, IL and Tallahassee, FL. Mr. Taylor has worked on bridge projects in Maine, New Hampshire, New York, Vermont, Massachusetts, Virginia, Florida, South Carolina, Alabama, Puerto Rico, New Brunswick, Thailand, and Taiwan. He is a registered PE in Maine and Florida. He attended the 2003 & 2004 Zone I Workshop for Section and Branch Leaders and joined the Maine ASCE Board in 2003.

Candidate for Director (yr2) - Walter Fagerlund

Mr. Fagerlund received a BSCE from UMaine in 1999 and his MSCE from the University of Texas at Austin in 2001. Since April 2002, he has worked as a project engineer for the HNTB Corporation in Westbrook, Maine. From 2001-2002 he worked as a project engineer for PBS&J in Austin, Texas. Since finishing school, he has been involved in various disciplines of civil engineering, including site development, aviation, water resources and transportation. His

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<p style="font-size: 1.2em; margin: 0;">Tim Merritt</p> <p style="font-size: 1.2em; margin: 0;">TY Lin International</p> <p style="font-size: 1.2em; margin: 0;">5 Fundy Road</p> <p style="font-size: 1.2em; margin: 0;">Falmouth, ME 04105</p>	

most recent work includes project coordination of the Maine Turnpike Conversion to E-ZPass. Mr. Fagerlund's ASCE activities have included Membership Chairman for the Austin Branch (2001-2002) and he currently holds the positions of 1st Year Director and Newsletter Editor for the Maine Section.

Candidate for Director (Year 1) – Adam Meyer

Adam Meyer was born in Portland, Maine and is currently a resident of Beddington. Adam is a graduate of the University of Maine with a BS in Construction Management Technology, a minor in Business Administration, and a Masters in Civil Engineering. Adam likes to keep active at work and in his personal life. He works in Bangor for a consultant firm where he has recently overseen the remediation of several petroleum contaminated sites, has been a Quality Control Administrator on two airport reconstruction projects, and has been involved with various geotechnical and materials testing projects. Adam is an Engineer-Intern in Maine, an Associate Constructor through AIC, A Certified Environmental Manager, a Certified Environmental Inspector and is a member of ASCE, ACI, EAA, CSI, and the AGC.

Candidate for NE Delegate (Year 2) – Jeremy Bragg

Jeremy Bragg received his B.S. in Civil Engineering from Worcester Polytechnic Institute in 1999. He began work for Kiewit Construction on a Big Dig tunnel project as a field engineer. In January of 2001 he began work for the Cianbro Corporation in Cianbro's temporary structures design group. Outside of work he coaches numerous youth and adult sports, including soccer, softball and baseball.

Candidate for NE Delegate (Year 1) – Katherine Kern

Ms. Kern is a Principal Engineer at MACTEC Engineering and Consulting, Inc. She has been employed at MACTEC for over 15 years and is the Transportation Business Lead for the NE region. She has over 24 years of civil design experience including site development, highway improvement projects, and remedial design projects. She was graduated from the University of Maine at Orono in 1980 with a BS in Civil Engineering, and is a licensed engineer in Maine, Connecticut, Michigan, and Kentucky.

Past President – Eric Landis, University of Maine



Maine Section

www.maineasce.org

Annual Meeting & Program Wednesday, May 25, 2005

NOTE: WE must give a guarantee head count by May 19th!!!!

Golf:

We plan to have an informal gathering for golf in the Rockland area. Most likely we will reserve t-times for approximately 9 am. If interested in joining us please contact me by May 18th.

Featured Technical Tour of Dragon's Quarry & Cement Plant on Rt. 1 in Thomaston:

At 3 pm, we will provide technical tours of the largest limerock deposit in the State and the Dragon cement plant located in Thomaston. The geology of the quarry will be discussed and the process for the manufacturing of cement will be featured including quality, safety and environmental controls. Tours will be approximately one hour each and will feature either the plant or the quarry. Please indicate you preference below or come early to make both tours.

This is a working manufacturing facility so long pants & sturdy shoes are required. Hard hats and glasses will be provided at the plant.

Annual Meeting Agenda at Samoset Resort in Rockport:

(shower & changing facilities will be available to those that participate in golf and/or the technical tours)

Following Social Hour and dinner at Samoset, ASCE Maine Section will present awards for Civil Engineer of the year, Younger CE of the Year, Student Scholarship winners, Life members, and will induct 2005-2006 officers. In addition we will be Dedicating the Dragon Quarry & Plant as an ASCE State Historic Landmark. We will also be inducting new members into the Order of the Engineer.

Featured Presentation:

Following the formal agenda, Stuart Guinther, Plant Manager will provide a presentation of their recent \$50 million modernization of the cement plant located in Thomaston. The upgrade which was accomplished in 2004, resulted in a more energy efficient dry process. The modernization expanded production to 750,000 tons and secures the future of the plant for another generation.

Cost: \$35 for ASCE members & guests or **\$20** students, retired or unemployed. Sign up by **May 19th** and receive a **\$5 discount**. Make check payable to Maine Section ASCE. *ASCE reserves the right to send a bill to anyone who signs up but does not show up. {Prices do not include Golf- that will be separate}*

Potential PDH: 3.0 hours

Schedule: 3:00 – 4:30 Technical Tours Dragon Quarry/Plant
5:00 – 6:00 Social Hour
6:00 – 7:00 Buffet Dinner
7:00 – 8:45 Program & Presentations

DIRECTIONS

To Plant/Quarry: Located 1/2 way between Thomaston and Rockland on Rt. 1 (ocean side). Call 485-2036.
To Samoset Resort: On the Ocean, 220 Warrenton Street, Rockport, Maine 04856 (207)594-2511
Go North through Rockland on Rt. 1, approx. 1/3 mile past intersect with Rt. 17 turn right onto Waldo St. (Littlefield Baptist Church on Rt.). Continue to entrance of Resort on right.

Registration info:

Name: _____ Company: _____

Phone: _____

Contact:

Peter S. Merfeld, PE, Maine Section Vice President
c/o Maine Turnpike Authority
430 Riverside St.
Portland, Maine 04103
(207)871-7771 x116 or cellular at 485-2036
(207)879-5567 (FAX) or pmerfeld@maineturnpike.com

Do you plan to take a tour of plant/quarry? If so, what time will you arrive?
 3 pm plant and quarry or
 4 pm plant or quarry only

➤ **Are you interested in becoming a member of the Order of the Engineer? If so, please let me know asap.**



MAINEDOT
Maine Department of Transportation

Short Course Lecture:
Estimation of Soil and Rock Properties
for Foundation Design
April 11 & 12, 2005

Venue

Maple Hill Farm Bed & Breakfast Inn and Conference Center, Hallowell, Maine (map included)

Instructor

Professor Fred H. Kulhawy, Ph.D., P.E., G.E.

School of Civil and Environmental Engineering and Graduate Faculty of Geological Sciences
Cornell University, Ithaca, New York.

Professor Kulhawy is an internationally acclaimed educator, consultant, and researcher, who has won numerous prestigious awards. He heads the Geotechnical Engineering Program at Cornell, and he has lectured widely, giving over 1020 presentations in 83 cities within the U. S. and in 59 additional cities around the world. As a consultant, he has had extensive experience on six continents, with much of his experience dealing with foundation engineering and soil/rock property evaluation. In research, he has pioneered on many fronts, most notably with foundations and property evaluation since the early 1970s. His research on these topics constitutes a majority of this short course.

Agenda

Day 1 - Soil Properties (Registration 8:00-8:30 a.m.)

Morning: Strategy for evaluating soil properties, Use of geologic inference in property assessment, Comparative evaluation of in-situ test types (SPT and CPT interrelationships), In-situ density assessment by SPT and CPT

Afternoon: In-situ stress (K_0) evaluation, Strength evaluation (effective stress & total stress), Deformability evaluation

Day 2 - Rock Properties (Registration 8:00-8:30 a.m.)

Morning: Basic geologic issues in geotechnical engineering, Structural features in rock masses, Rock drilling and sampling, Geophysical exploration, Delineation of the soil-rock boundary, In-situ stress evaluation

Afternoon: Core logging and RQD evaluation, Rock mass classification, Rock mass strength evaluation, Rock mass deformability evaluation, Side resistance α factor in soil to rock, Uncertainty in basic rock properties, Foundations in carbonates and karst

Registration

\$320.00, includes course notes, breaks, and lunch

To reserve a spot(s) for this continuing education opportunity contact Jeff Tweedie at the Maine DOT
email: jeff.tweedie@maine.gov, or telephone: 207.624.3427

When your reservation has been confirmed, please forward payment to the following:

Cindy Richardson
c/o Maine DOT - Bridge Program
16 State House Station,
Augusta, ME 04333-0016

Make checks & money
orders payable to:
Fred H. Kulhawy

Casco Bay Estuary Project Low Impact Development Fund Announcement

The Casco Bay Estuary Project is pleased to announce a Request for Proposals for its Low Impact Development Fund.

Up to \$66,000 is available for grants to support construction of low impact development (LID) demonstration sites within the Casco Bay watershed. Individual project awards will range from \$5,000 - \$24,000.

Municipalities, non-government organizations, and state agencies in the watershed are eligible to apply. Matching funds are required. Applications must be received by 4:00 pm on June 30, 2005.

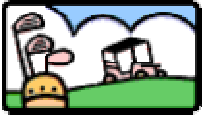
A copy of the full RFP is available on the CBEP website: <http://www.cascobay.usm.maine.edu>.

For more information, contact: Matt Craig, Program Coordinator, Casco Bay Estuary Project. Telephone: (207) 228-8359. Email: mcraig@usm.maine.edu.

Cold Regions Conference 2006

The Maine Section ASCE will host the 2006 ASCE Cold Regions Conference at the University of Maine on July 23-26, 2006. A local organizing committee has been set up and has met with the National ASCE Cold Regions Control committee and ASCE Staff. We need others who are willing to help with the conference. Several people will be needed to act as reviewers for papers. People will be needed to help host all of the anticipated visitors and to generally assist with moderating sessions, audio-visual set-ups, tours, and logistics. There will be an "icebreaker" event on the evening of July 23rd at the Cole Transportation Museum. Members are also asked to help solicit sponsorships from their respective businesses to host the icebreaker and give-aways given to attendees. Maine section members are strongly encouraged to submit papers and attend this conference.

We need your help to make this conference successful. For further information, please feel free to contact Philip Dunn at 581-2326, Bill Bloemen at 827-6741, or Steve Cole at 848-5714.



2005 A/E CHARITY GOLF EVENT

Planning for the 2005 A/E Charity Golf Tournament will be getting under way by the end of March and we welcome all interested parties to help in the planning for a fun day of golf and support of our many worthy charities. The thirteenth annual golf event will be held once again at Spring Brook Country Club in Leeds, Maine. The date will be June 10th, rain or shine. Contact Jim Wilson (jwilson@woodardcurran.com) or Jerry Scott (jscott@woodardcurran.com) to find out how you can help with fundraising or planning for this year's tournament.

In 2004 we had 21 teams from approximately 18 companies take part with nearly \$6,000 of tournament proceeds going to the Bangor Y, The Juvenile Diabetes Research Foundation-Maine Chapter, and the University of Maine Civil Engineering Department Pacesetter Endowment Scholarship Fund. Through the generous support of our participating engineers, architects and our many sponsors, ASCE has donated over \$50,000 to youth charities and education in the State of Maine.

Join us on June 10th and help us exceed last year's charitable donations. You'll have a fun day of golf, a nice barbeque lunch, and you may even win a prize in our raffle which in the past has included Redsox luxury booth seats, Patriots preseason tickets, Cobra drivers, Odyssey putters, golf bags, and more. Look for the registration form in the April Informant and invite your colleagues from other firms to join us.



Full Time Civil Engineer and Summer Intern Positions Available

Vortech, Inc. in Scarborough is currently seeking to fill both permanent and summer intern positions for their Technical Support group. Vortech, Inc. is the industry leader in engineered stormwater products and is experiencing unprecedented growth. This growth has created excellent professional career opportunities in Maine and in several other U.S. locations. The posted positions work with sales team members to provide engineering support needed by field sales and customers. Support ranges from initial customer contact through the completion of a fully engineered design.

For more information on these opportunities, please visit www.vortech.com or www.JobsinME.com. Resumes should be forwarded to hr@vortech.com.

ASCE MAINE SECTION CONTACT LIST

2004-2005

<i>NAME</i>	<i>POSITION</i>	<i>PHONE</i>	<i>FAX</i>	<i>E-MAIL</i>
Executive Board				
Eric Landis	President	581-2173	581-3888	landis@maine.edu
Bob Chaput	President Elect	626-0600	626-0700	bchaput@swcoale.com
Peter Merfeld	Vice President	871-7771 ext. 116	879-5567	pmerfeld@mainetumpike.com
Tim Merritt	Secretary	781-4721	781-4753	tmerritt@tylin.com
Erik Wiberg	Treasurer	286-8008	286-2882	ewiberg@rwg-a.com
Chris Taylor	Director 2nd Year	781-4721	781-4753	ctaylor@tylin.com
Walter Fagerlund	Director 1st Year	774-5155	772-7410	wfagerlund@hntb.com
Adam Meyer	NE Delegate 2nd Yr.	557-6339	945-0195	cmahm@hotmail.com
Jeremy Bragg	NE Delegate 1st Yr.	487-3328 x266	487-2110	jeremy.bragg@kleinschmidtusa.com
Be Schonewald	Past President	879-9190	879-0099	schonewald@gza.com
Committee Chairs				
Walter Fagerlund	Informant Co-Editor	774-5155	772-7410	wfagerlund@hntb.com
Patricia Korbet	Webmaster/Informant Co-Editor	603-356-6936	603-356-7715	pkorbet@hebcivil.com
Walter Wilson	Younger Members	879-9190	879-0099	wwilson@gza.com
Eric Landis	UMaine Student Chapter Advisor	581-2173	581-3888	landis@umit.maine.edu
Be Schonewald	Membership	879-9190	879-0099	schonewald@gza.com
Kitty Breskin	Public Relations	624-3396	624-3481	kitty.breskin@maine.gov
Kitty Breskin	A/E Legislative Task Force Rep.	624-3396	624-3481	kitty.breskin@maine.gov
David Kamila	DEP Task Force Rep.	878-3313	878-0201	dkamila@landuseinc.net
Dirk Brunner	DEP Task Force Rep.	775-5401	772-4762	DRBrunner@mactec.com
Phil Dunn	Awards	581-2326	581-2113	philip.dunn@umit.maine.edu
Leslie Corrow	Scholarship	487-3328	487-3124	Leslie.Corrow@KleinschmidtUSA.com
Phil Dunn	Model Contest	581-2326	581-2113	philip.dunn@umit.maine.edu
Jim Wendel	History & Heritage	883-5579	879-0896	JWendel@ci.scarborough.me.us
Peter Merfeld	Monthly Meetings	871-7771 ext. 116	879-5567	pmerfeld@mainetumpike.com
Kathy Kern	Storm Water Conf. Rep./ Model Contest Sponsorships	775-5401	772-4762	KEKern@mactec.com
Eric Landis	ACEC Fall Forum Rep.	581-2173	581-3888	landis@maine.edu
Chris Taylor	Transportation Conf. Rep.	781-4721	781-4753	ctaylor@tylin.com
Chris Taylor	Technical Seminar	781-4721	781-4753	ctaylor@tylin.com

Maine Section ASCE *Informant*
c/o Walter R. Fagerlund
HNTB
2 Thomas Drive
Westbrook, ME 04092
