

ACE RESOURCES

A newsletter for the Association
of Conservation Engineers

JANUARY 2019

Enhancing our Natural Resources

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2019 President's Message

It has been 20 years since I was president of ACE in 1999; not too many of us left from those days. It is an honor that I can serve as your president again in 2019. It has been almost three months since our 57th Annual Conference in Norman, Oklahoma and I would like to thank Bo Vandergriff, Janet Gillis and the entire IronWolf Company for hosting our 2018 conference. I look forward to working with the new 2018-2019 ACE Board, and I especially want to thank outgoing president Natalie Little for what she did last year in spearheading the By-Laws and Operation Manual updates, great job. I also want to thank Howard Thomas for getting the paperwork done so ACE can get a 501 (c)(3) non-profit status, which hopefully, might increase our donations to the scholarship fund in the future. Great job Howard and congratulations on being elected President-elect. By now we should have a new contract with Meetings Northwest to manage our website, send out correspondences, receive dues and conference fees, etc. Thank you Howard for making this happen. If you did not attend the conference in October and have not paid your 2019 dues, please do so. Every President usually has an agenda, and I'm no different. I want to concentrate on membership recruitment this year. I'm personally going to focus on the southeastern states since they are within driving distance of the 2019 Conference in Gulf Shores, Alabama. I challenge every one of you to try to get at least one new member this year. I believe that would not be an unrealistic goal. The membership committee is chaired by Sarah Lau this year and I believe with all our help, Sarah and her committee can increase our membership by 25% or more. The committee member assignments are also in this newsletter. If you are not on a committee and would like to be, please contact me. Speaking of the 2019 Conference, it is never too early to start planning to attend. As you know, Alabama will be hosting this year's conference. We hope to have an exciting agenda and location for this year's conference. A preliminary program is in this Newsletter. Everyone that signed up in Oklahoma last year, please send your presentation title and biography so that we can get a completed agenda as early as possible this year. If you did not sign up in Oklahoma and you would like to give a presentation, please send your information to Charles.Meredith@dcnr.alabama.gov or Terry.Boyd@dcnr.alabama.gov. The hotel for this year's conference is The Lodge at Gulf State Park a Hilton Hotel; we should have the group reservations available soon as the lodge just opened in November 2018. The hotel information and the save the date are on the ACE's website (<http://conservationengineers.org>). (58th Annual ACE Conference – October 20-24, 2019, Gulf Shores, Alabama). I'm not sure how many of you are still around that attended the 38th Annual ACE Conference in Orange Beach, Alabama in 1999, but we hope to make this one better. The annual conference is an excellent, inexpensive way to get your professional development hours. I look forward to working with everyone this year and seeing you in Gulf Shores. Thanks again for allowing me to serve as your President.

Terry N. Boyd, PE, PLS
ACE President

ACE
ASSOCIATION OF
CONSERVATION
ENGINEERS



Gulf Shores, Alabama

ACE 58th Annual Conference

October 20 - 24, 2019

Committee

2018 — 2019



Executive Committee

Terry Boyd, AL- President
Howard Thomas, MO-
President-Elect
Terra McParland, IL-
Secretary
Mattheuw Prenger, MO -
Treasurer
Natale Little, UT -
Past President
Holly Bentz, WA-
Past President
Justin Fessler, MO -
At-Large Member
Bill Scheperle, MO -
At-Large Member

Awards

Holly Bentz, WA (Chair)
Linda Logan, MO
Breagan Eicher, IN

Bylaws

Norval Olson, CO (Chair)
Greg Mihalevich, MO
Dave Bumann, WY

History

Terry Boyd, AL (Chair)
Norval Olson, CO
Holly Bentz, WA

Membership

Sarah Lau, ID (Chair)
Gary Wilken, IL
Loren Woodin, WY
Tom Hohman, IN
Howard Thomas, MO
Deborah Byrd, GA
Holly Bentz, WA
Bill Scheperle, MO
Nielsen Hans, CO

Nominating Committee

Norval Olson, CO (Chair)
Gary Wilken, IL
Breagan Eicher, IN

Operations Manual

Tom Hohman, IN (Chair)
Randy Knott, GA
Breagan Eicher, IN
Justin Fessler, MO

Past Presidents

Committee

Natalie Little, UT (Chair)
Dale Gunter, AR
Holly Bentz, WA

Program

Terry Boyd, AL (Chair)
Todd Mize, AL (Co-chair)
Loren Woodin, WY
Dave Bumann, WY

Publications/Newsletter

Norval Olson, CO (Chair)
Dale Gunter, AR
Sarah Lau, ID
Natalie Little, UT
Bo Vandergriff, OK
Barbara Li, MO
Charles Meredith (Editor)

Scholarship

Champak Patel, IN (Chair)
Joel Krause, MT
Terra McParland, IL
Mattheuw Prenger, MO

Special Communications/Social Media

Norval Olson, CO (Chair)
Holly Bentz, WA

Time & Place

Terry Boyd, AL (Chair)
Bo Vandergriff, OK
Howard Thomas, MO
Loren Woodin, WY
Todd Mize, AL

ACE 2018-57th Annual Conference

57th Annual Association of Conservation Engineers Conference Report- Norman, Oklahoma

The annual ACE conference was held at the Holiday Inn Express in Norman, Oklahoma (home to the OU Sooners). The location was great, just off Interstate 35 and close to plenty of places for food and shopping. The conference room at the hotel was the one-stop place for the Sunday reception, technical presentations, lunches, vendor displays, silent auction, and evening hospitality. Janet Gillis with IronWolf manufacturing (conference host) did a wonderful job of organizing the meeting, field trips and food-drinks. After the Sunday social reception, the meeting officially started Monday with the usual interesting technical ses-



sions. Monday dinner was hosted by IronWolf Manufacturing at their nearby office and plant facility. The BBQ “cook-out” was great and what a tidy place! Tuesday was a bus trip to Davis, OK and Turner Falls Park where IronWolf equipment had been used to provide a much-needed access road. The walk and view of the falls was awesome. The bus then headed to Roos Ranch for a Rock Crusher demonstration

and lunch at Smokin’ Joe’s Rib Ranch. Next was the Chickasaw Cultural Center near Sulphur, OK where there was much to see including a native Stomp Dance demonstration. The grounds, buildings and displays were great. The last stop was the Chickasaw Visitor Center in Sulphur where the story of the Chickasaw National Recreation Area is told. A very nice building.

Wednesday provided additional technical presentations including a talk by Gary Wilken (Past ACE President and HDR Inc. consultant- retired).



Gary's "Looking Back-Looking Forward" talk reviewed his thoughts and wonderful perspective about his insightful conservation engineering career. The afternoon provided the business meeting and election of the 2018-2019 ACE officers. That evening culminated with the conference banquet and 25th Annual Carl V. Anderson Conservation Project Engineering Awards – good food and company at the Legend's restaurant.

Thursday's optional tour went to the National Weather Center in Norman and the Oklahoma City Bombing Memorial and Museum.

Much thanks to Janet Gillis and Bo Vandergriff and all of the IronWolf Manufacturing gang for hosting- along with all who attended! Also, a special thanks to conference exhibitors: IronWolf Manufacturing, Big R Bridge, Geo-Stabilization International, and DECRA Roofing Systems.

Norval Olson, retired- Colorado Parks and Wildlife



ACE 2018-57th Annual Conference (Photos cont.)



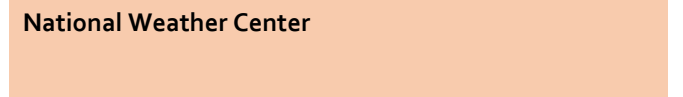
Turner Falls



Turner Falls



Chickasaw Cultural Center



National Weather Center



IronWolf Barbeque Cookout



Rock Crusher Demonstration

25th Annual Carl V. Anderson Conservation Engineering Project Award

2018 was the 25th year for the Carl V. Anderson Conservation Project Awards. The award was named after member Carl V. Anderson who worked in the years before his passing developing the idea of the award competition.

Carl joined ACE in 1977 and was president in 1996-1997. Awarded annually, the Carl V. Anderson Conservation Project Awards recognize ACE members for outstanding projects in conservation engineering. The purpose of the awarded competition is to give recognition to those members, consultants and/or their departments whose work, as judged by their peers and associates, best exhibits the goals and objectives of the Association of Conservation Engineers. Submitted projects are excellent examples of engineering, maintaining, and improving access and enjoyment of the natural world. Any governmental or non-governmental agency or owner, or its selected consultant, engaged in fields of recreation, wildlife preservation, tourism and/or conservation and restoration



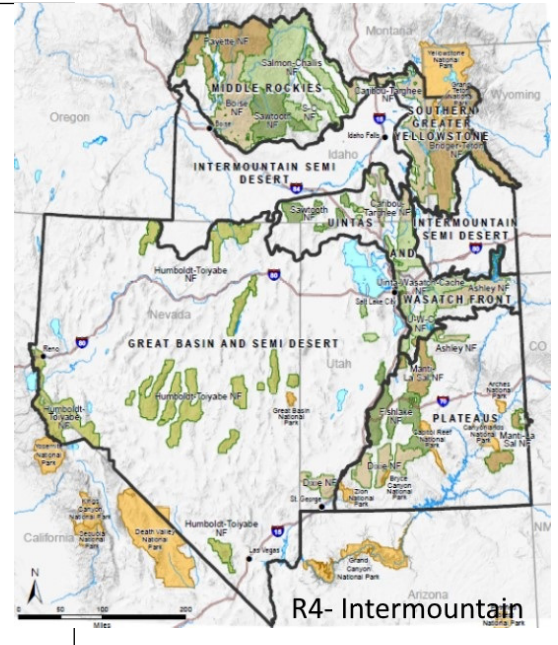
Natalie Little presents the Carl V. Anderson Engineering Project Award to the Missouri Department of Conservation, Gredell Engineering Resources, Inc., Bartlett and West Engineers. (Pictured from left to

of the natural and historic environment who is a member or has completed an application for ACE membership, is eligible for this awards program. At the Norman, Oklahoma ACE Conference, the Award of Merit was presented to the Missouri Department of Conservation along with Gredell Engineering Resources, Inc. and Bartlett and West Engineers for the Busch Memorial Shooting Range and Outdoor Education Center. The range is located at the August A. Busch Memorial Conservation Area in Defiance, Missouri. During Phase I of the project, approximately 80,000 pounds of lead shot and bullet fragments were collected and recycled. This phase included the demolition and disposal of the old range; site clearing; site grading for the new facility; installation of site drainage features; collection of lead materials for recycling; collection of lead-impacted soil; soil treatments to reduce the mobility of lead; placement of lead impacted soils within the new trap and skeet fall zone; excavation and disposal of clay target debris; and bringing utilities to the site. The shot fall zones for the new range were graded and cleared for proper shot management and future recycling efforts. Twenty-two acres of site clearing and a stream encapsulation was required to prepare the old range site for new range construction. The new range design incorporates features such as bullet traps, no-blue sky overhead baffle coverage, site drainage systems, stormwater detention to prevent lead migration, and shot fall zones that allow for lead projectile collection and recycling. Although the new facility design focused on safety and environmental stewardship, the final objective was to provide an efficient, user-friendly range. The facility supports programs that promote conservation and hunter safety through hunter safety training and by promoting outdoor sporting activities. The new range and outdoor education facility allow citizens in Missouri to be engaged with nature and to support Missouri's outdoor conservation heritage.

(See photos next page)

New Trap and Skeet Fields





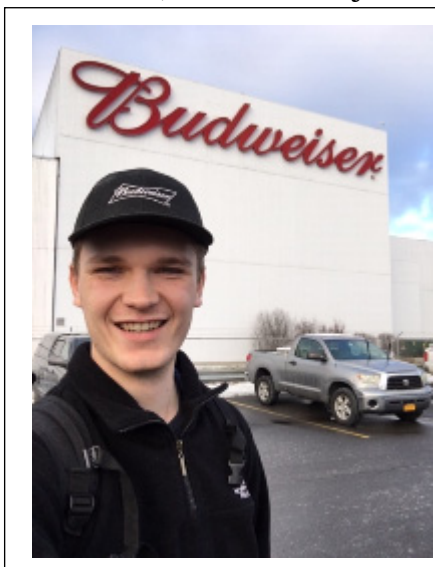
USDA- Forest Service Intermountain Region Effort and Award

The Intermountain Region of the Forest Service completed a comprehensive region-wide climate change vulnerability and adaptation assessment through a science-management partnership called the Intermountain Adaptation Partnership (IAP). The IAP efforts resulted in webinars, workshops, websites, a GIS Story Map, and the publishing of a General Technical Report (GTR) titled, “Climate Change Vulnerability and Adaptation in the Intermountain Region.”

In October 2018, the IAP received the [Intermountain Regional Forester’s Award](#). Natalie Little, the 2017-18 ACE President, was a co-lead, editor, and author of this effort. More

James Schalk Memorial Scholarship Update:

Hello ACE, and thank you for your support! I've been encouraged by the association's newsletters and thought I would send a quick update of my own.



Since receiving the James Schalk Memorial Scholarship last year, I've been privileged to continue taking classes in groundwater modeling, air pollution control mechanisms, and erosion control BMPs. With the scholarship, I've been able to shift some of my focus from part-time work to these classes.

On top that, I've been working as an intern at Anheuser-Busch's Baldwinsville, NY Brewery for the past several months. During this time, we've helped reduce the brewery's packaging waste and implemented some exciting new programs. In about a week I will be heading back to Kansas and finishing up classes next December. I'm excited to see where God takes me after graduation and I am truly thankful for your support.

Association of Conservation Engineers Non-Profit Status

Last year, the Association of Conservation Engineers (ACE) Executive Board led the effort to obtain 501 (c)(3) nonprofit status for ACE. In order to meet the requirements for 501 (c)(3) status, ACE was required to register as a non-profit corporation and update the ACE Bylaws and Operations Manual to meet the applicable requirements. ACE is now a registered nonprofit corporation in the State of Missouri. The State of Missouri was chosen because St. Louis, Missouri was the location of the first ACE Conference in 1961 and several of the founding members were from Missouri. The next step of approving the necessary changes to the ACE Bylaws and Operations Manual was accomplished when the proposed changes were approved at the annual business meeting of ACE during the 2018 ACE Conference which was held in Norman, Oklahoma. Please check out the ACE website at <http://www.cvent.com/events/2018-ace-membership/event-summary-42bbe9807001493faf4f7a33deec6bdd.aspx> to see the new ACE Bylaws and Operations Manual. The final step of the process will be to file the necessary paperwork with the IRS. It is anticipated that this will be completed and ACE will be an official 501 (c)(3), non-profit corporation sometime early in 2019. Once this is completed, the ACE Board will send out a notification email with an explanation of the benefits of this new status to our membership. Please be looking for this update.

ACE 58th Annual Conference

2019 Preliminary Conference Agenda

Association of Conservation Engineers

October 20-24, 2019, Gulf Shores, Alabama

Sunday, October 20th—The Lodge @ Gulf State Park

Executive Committee Meeting:	2:30pm — 4:30pm
Conference Registration & Reception:	5:00pm — 9:00pm

Monday, October 21st-The Lodge @Gulf State Park

Conference Registration:	8:00 A.M.
Welcome and Presentations:	8:30 A.M.-12:00 P.M.
Welcome (Mayor, Commissioner, ACE President)	8:30 A.M.-8:45 A.M.
Presentation #1 (30 min.)	8:45 A.M.-9:15 A.M.
Presentation #2 (30 min.)	9:15 A.M.-9:45 A.M.
Presentation #3 (30 min.)	9:45 A. M.-10:15 A.M.
Introduction of Exhibitors	10:15 A.M.-10:30 A. M.
Break w/Exhibitors	10:30 A.M-1045 A.m.
Presentation #4 (30 min.)	10:45 A.M.-11:15 A.M.
Presentation #5 (30 min.)	11:15 A.M.-11:45 A.M.
Group Picture	11:45 A.M.-12:00 P.M.
Lunch (provided by The Lodge @ GSP)	12:00P.M.-1:00 P.M.
Presentation #6 (45 min.)	1:00 P.M.-1:45 P.M.
Presentation # 7 (30 min)	1:45 P.M.-2:15 P.M.
Presentation # 8 (30 min)	2:15 P.M.-2:45 P.M.
Break	2:45 P.M.-3:00 P.M.
Exhibitor Presentations	3:00 P.M.-4:00 P.M.
Business Meeting	4:00 P.M.-5:00 P.M.
Load vans (if you need a ride to local restaurants)	5:30 P.M.

Dinner on your own	6:00P.M.-8:00 P.M.
Return to The Lodge (on vans, if needed)	8:00 P.M.
Hospitality Room open	8:30 P.M.-10:00 P.M.

Tuesday, October 22nd-The Lodge@GSP –Field Trip

Conference Registration:	8:00 A.M.
Presentations:	8:30 A.M.-10:00 A.M.
Presentation # 9 (30 min)	8:30 A.M.-9:00 A.M
Presentation # 10 (30 min)	9:00 A.M.-9:30 A.M.
Presentation # 11 (30 min)	9:30 A.M.-10:00 A.M.
Boardwalk/Eco Center @ GSP	10:30 A.M. – 12:00 P.M. (90 min)
Lunch:	12:00pm – 1:00pm (Pavilion @ GSP)
Bus leaves at 1:15pm and returns about 8:00pm	
Sun Plans House (Debbie Coleman, Architect)	1:30-2:00 pm (30 min)
5 Rivers Delta Center:	3:00pm – 5:00pm (120 min)
Delta Boat Tour:	4:00pm – 5:00 pm (Airboat rides limited) (30 min)
5 Rivers Pavilions: (Seafood dinner/cocktails)	5:00pm – 7:00 pm
Hospitality Room open	8:30-10:00pm

Preliminary Conference Agenda

Association of Conservation Engineers (ACE)

October 20- 24, 2017, Gulf Shores, Alabama

Wednesday, October 23th – The Lodge @ GSP

Conference Registration:	8:00 A.M.
Presentations:	8:30 A.M. – 12:00 P.M.
Presentation # 12 (30 min)	8:30 A.M.-9:00 A.M.
Presentation # 13 (30 min)	9:00A.M.-9:45 A.M.
Presentation # 14 (30 min)	9:45 A.M.-10:15 A.M.
Break	10:15 A.M.-10:30 A.M.
Presentation # 15 (45 min)	10:30 A.M.-11:15 A.M.
Presentation # 16 (50 min)	11:15 A.M.-12:05 P.M.
Tom Hohman Ethics	
Lunch:	12:05 P.M. – 1:00 P.M.
<i>(provided by The Lodge @ GSP)</i>	
Conference Presentations:	1:00 P.M.pm – 5:00 P.M.
Presentation # 17 (30 min)	1:00 P.M.-1:30 P.M.
Presentation # 18 (45 min)	1:30 P.M.-2:15 P.M.
Presentation # 19 (30 min)	2:15 P.M.-2:45 P.M.
Break	2:45 P.M.-3:00 P.M.
Presentation # 20 (30 min)	3:00 P.M.-3:30 P.M.
Presentation by 2020 Conference Host Wyoming	3:30 P.M.-3:45P.M.
Business Meeting (break up into committee groups)	3:45 P.M.-4:30 P.M.
Board Meeting (old/new board)	4:30 P.M.-5:00 P.M.
Semi-Formal Dinner:	6:00 P.M. – 8:30 P.M.
<i>(provided by The Lodge @ GSP)</i>	
Cocktails	6:00 P.M.-7:00 P.M.)
Dinner	7:00 P.M.-8:00 P.M.)
Speaker	8:00 P.M.-8:30 P.M. tbd

Thursday, October 24th – Optional Field Trip

8:00A.M. – 5:30 P.M.

Bus leaves at 8:00am and returns about 4:15pm

GSP Living & Learning Center:

8:15 A.M. – 9:30 A.M.

Claude Peteet Mariculture Center:

9:45 A.M. – 12:00 P.M.

Lunch:

12:15 P.M. – 1:15 P.M.

(provided at Wolf Bay Lodge)

Weeks Bay Reserve Tour/Bay Boat Ride:

2:00 P.M. – 3:30 P.M.

GSP Pier:

4:15 P.M. – 5:15 P.M.

Online Membership Applications & Renewals Now Available

*Been awhile since you've been to a conference? Need to re-new your membership? To make sure you continue to receive our news-
letter? Never joined but want to become an ACE member? Or perhaps you have recently moved or changed your email ad-
dress and need to update your membership info?*

All of these options are now available on-line!

Through an agreement with Meetings Northwest, ACE is now offering membership application, renewals and updates to membership information through the internet.

Simply visit our webpage at <http://conservationengineers.org/index.html> or follow the link here: <http://www.cvent.com/events/2018-ace-membership/event-summary-42bbe9807001493faf4f7a33deec6bdd.aspx> and complete your application, renewal or update.

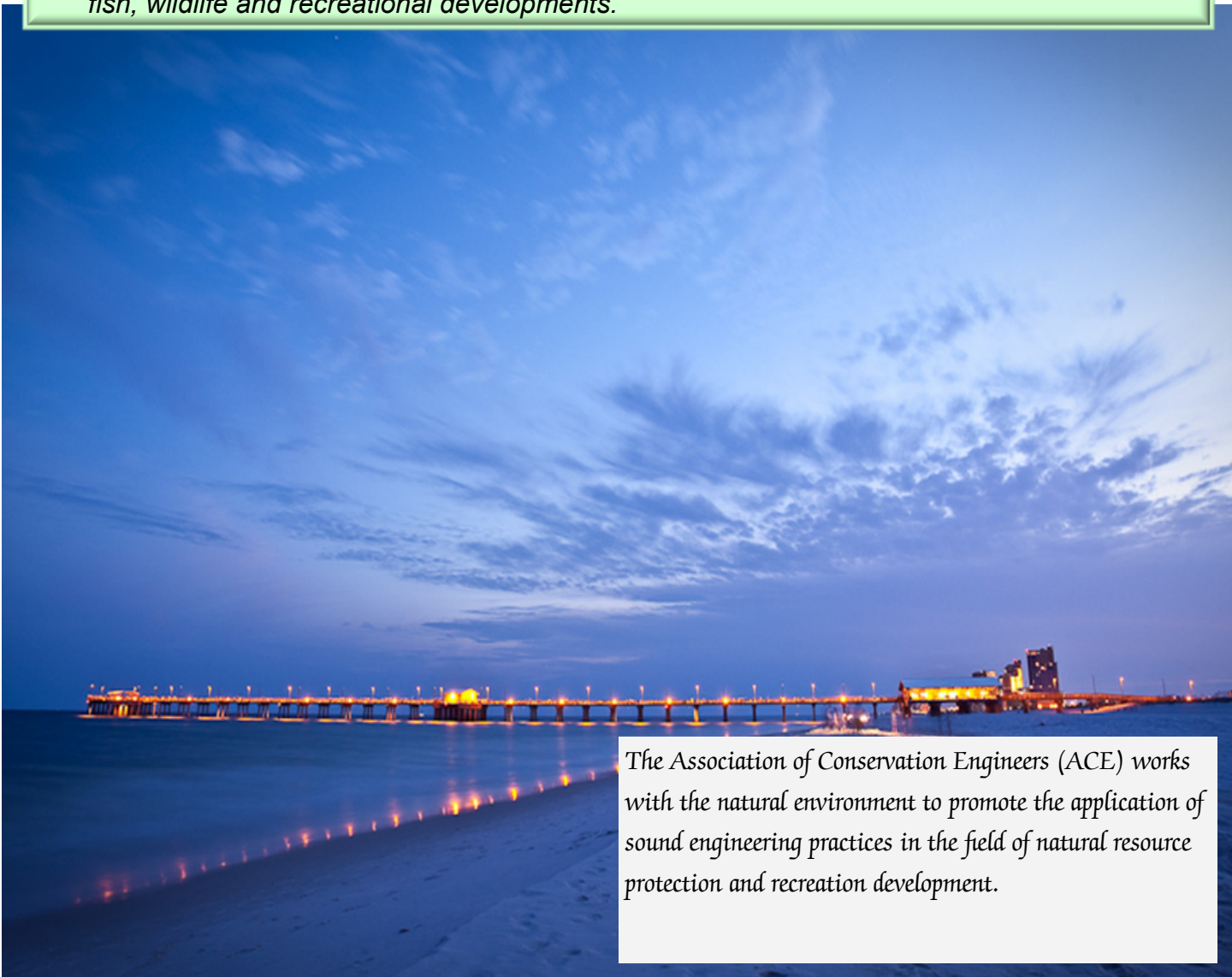
Please contact admin@meetingsnorthwest.com if you have questions or if you have trouble registering.

We look forward to hearing from you.

Association of Conservation Engineers

ACE Objectives

- 1) To encourage and broaden the educational, social and economic interests of engineering Practices.*
- 2) To promote the recognition of the importance of sound engineering practices in fish, wildlife and recreation development.*
- 3) To enable each member to utilize the experiences of other members.*
- 4) To generally take all such proper action that may be necessary to further the cause of fish, wildlife and recreational developments.*



The Association of Conservation Engineers (ACE) works with the natural environment to promote the application of sound engineering practices in the field of natural resource protection and recreation development.