
ACE RESOURCES

*A newsletter for the Association
of Conservation Engineers*

JULY 2019

Enhancing our Natural Resources

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Remember to bring your silent auction items to the conference— proceeds go towards our scholarship fund. Terry Boyd

2019 President's Update

We are thrilled about the upcoming Association of Conservation Engineers Conference to be held in Gulf Shores, Alabama, at The Lodge at Gulf State Park. The Alabama Department of Conservation and Natural Resources will be hosting this year's gathering, which is the 58th Annual Conference. I am extremely honored to be not only the President of this organization, but also this year's host. I recently attended a surveying conference at The Lodge. The meeting space and the food were great. Although I did not stay at the Lodge, I talked to people who did, and they were very complimentary about the accommodations. The beach is always GREAT!! The agenda is quickly filling up, but we could make room if you want or need to present a paper. We have constantly been reaching out to companies for sponsorship and always need more. If you know of a company that would like to be a sponsor or exhibitor, please contact Charles Meredith at Charles.Meredith@dcnr.alabama.gov or me at Terry.Boyd@dcnr.alabama.gov. We have also reached out several of our retired members to encourage them to attend this year's conference. We can have the best agenda and speakers, but without all of you attending, we will not have a successful conference. If you plan to attend, please go ahead and make your room reservations. I can block additional rooms if we run out of the room block we currently have at present. The deadline for the group room rates ends Friday, September 20, 2019. The early bird conference registration ends Friday, September 13, 2019. The sooner you register or at **least let us know you are attending**, the sooner we can certify of meeting space, buses, food, etc.

As I stated in the January Newsletter, membership is going to be my chief focus. I have been working with the board and the membership committee, Sarah Lau chairperson, to expand our membership and conference attendance. We have sent letters out to all the southeastern Park and Game & Fish Directors to encourage them to send someone to this year's conference. Several others have expressed interest in membership recruitment and placed phone calls to other states. I have contacted the Texas Parks and Wildlife engineering personnel, and they have expressed interest, and I hope they can make this year. If they don't, I feel like they will still join. I appreciate all the board's and committees' efforts this year. If each one of you could get just one new member, we could double our membership. If you have someone who wants to join but can not afford the membership fee, I will pay for their membership up to 5 new members.

Borrowing from Holly's message last year, you can learn more about how to renew your membership online; apply for the Carl Anderson Awards, and find information on our James Schalk Memorial scholarship at <http://www.conservationengineers.org>. The current conference agenda is in the Newsletter; we hope that we have an exciting conference planned, but we still need you!

I hope you enjoy all the information in this Newsletter and I look forward to seeing you at the 58th Annual Conference in Gulf Shores, Alabama, the Beach and Sun are waiting!!

ACE President, 2018-19



Gulf Shores, Alabama



ACE 58th Annual Conference

Gulf Shores, Alabama

Online Registration Is Open!



Registration for the October, 2019 ACE Conference in Gulf Shores, Alabama is currently open on the [ACE Website](https://conservationengineers.org/conference/) (<https://conservationengineers.org/conference/>).

Individuals interested in attending can also use the website for viewing lodging, transportation, the preliminary conference agenda, fees and other details.

Attendees are encouraged to register early to receive the discounted price!

Spread the word!

The ACE Annual Conference is a great time to network with people from the Forest Service, National Park Service, State Departments of Natural Resources, other departments, private contractors, students and vendors.

Member Conference Registration Rates:

Conference Duration	Registration Price	Discounted Price (Sept 13 th)
Full Conference	\$490	\$440
Two Days	\$440	\$360
One Day	\$220	\$180

Student Conference Registration Rates:

Conference Duration	Registration Price	Discounted Price (Sept 13 th)
Full Conference	\$270	\$220
Two Days	\$240	\$200
One Day	\$120	\$100

Other Conference Registration Rates:

Guest Full Conference	\$220
Guest One Day	\$40 — \$100
Exhibitor	\$600

Early Registration Ends: Friday September 13th, 2019

Preliminary Conference Agenda

Association of Conservation Engineers (ACE)

October 20-24, 2019, Gulf Shores, Alabama

Sunday, October 20th – The Lodge @ GSP

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

Monday, October 21th – The Lodge @ GSP

8:00am – 5:00pm
8:00am **Conference Registration:**
8:30am – 12:00pm **Welcome & Presentations:**
8:30-9:00am Welcome (Mayor, Commissioner, ACE President)
9:00-9:45am Gulf State Park Lodge/Grounds Overview LEEDS –
Chandra Wright
9:45-10:15am Beach Nourishment Alabama Coast – *Al Browder*
Olsen & Associates
10:15-10:30 am Introduction of Exhibitors
10:30-10:45am Break w/Exhibitors
10:45-11:15am Hugh S. Branyon Back Country Trail – *Phillip West*
City of Orange Beach
11:15-11:45am Alabama’s Artificial Reef History – *David Walter*
Reefmaker Orange Beach, Alabama
11:45-12:00pm Group Picture – *Norval Olsen*
12:00pm – 1:00pm **Lunch:** *(provided by The Lodge @ GSP)*

1:00pm – 4:00pm	Presentations:
1:00-1:45pm	TBD- <i>Lloyd Pitts/Brett Gaar—Volkert</i>
1:45-2:15pm	Prescribed Fire at GSP - <i>Kelly Ritz, Tasha Simon</i> Park Naturalists Natural Resource Planner
2:15-2:45pm	(Beach Mouse/Sea Turtle) – <i>Bill Lynn, US F&WS</i>
2:45-3:00pm	Break
3:00-4:00pm	Exhibitor Presentations
4:00-5:00pm	Business Meeting
5:30 pm	Load vans (if you need a ride to local restaurants)
6:00-8:00pm	Dinner on your own
8:00pm	return to The Lodge (on vans, if needed)
8:30-10:00pm	Hospitality Room open

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

8:00am – 8:00pm	
8:00am	Conference Registration:
8:30am – 10:15am	Presentations:
8:30-9:30am	Riparian Boundaries— <i>Jeff Lucas—ESP Associates</i>
9:30-10:15am	Maritime Museum Mobile Alabama – <i>John Baker</i> Thompson Engineering
10:30am – 12:00pm	Boardwalk/Interpretive Center @ GSP
12:00pm – 1:00pm	Lunch: (Pavilion @ GSP)
Bus leaves at 1:15pm and returns about 8:00pm	
1:30-2:00 pm	Sun Plans House (<i>Debbie Coleman, Architect</i>)
3:00pm – 6:00pm	Maritime Museum Tour in Mobile:
(5:30pm – 7:00pm – seafood dinner/cocktails – amphitheater)	
8:30-10:00pm	Hospitality Room open

Wednesday, October 23rd – The Lodge @ GSP

8:00am – 8:30pm

8:00am **Conference Registration:**

8:30am – 12:00pm **Presentations:**

8:30-9:00am Green Stormwater Infrastructure Design Considerations for Coastal Environments – *Robert Brown* – GMC)

9:00-9:45am Back to Future - Update – *Gary Wilken/Ed Donahue*

9:45-10:15am Case Study Geohazard Mitigation – *Steve Poole/Reid Bailey* - GSI)

10:15-10:30am Break

10:30-11:15am Boating Access Project – *Todd Mize* - ADCNR

Or

10:30-11:15am AggreBind (Trails/Roads/Parking Lots) – *Patrick Brindle*

11:15-12:05pm Ethics for Engineers (50 min) *Tom Hohman*

12:05pm – 1:00pm **Lunch:** *(provided by The Lodge @ GSP)*

1:00pm – 5:00pm **Conference Presentations:**

1:00-1:30pm Whiskey Mountain Conservation Camp - *Loren Woodin*
Wyoming Game and Fish (30 min)

1:30-2:15pm Duck Creek Conservation Area—*Mattheuw Prenger*—MO DOC

2:15-2:45pm TBD - *Natalie Little*, US Forest Service

or

Environmental Presentation - GMC

2:45-3:00pm Break

3:00-3:30pm Claude Peete Maricultural Center – *Max Westendorf*
Hatchery Manager

3:30-3:45pm Presentation by 2020 Conference Host Wyoming

3:45-4:30pm Business Meeting (break up into committee groups)

4:30-5:00pm Board Meeting (old/new board)

6:00pm – 8:30pm **Semi-Formal Dinner:** *(provided by The Lodge @ GSP)*
(6:00-7:00pm cocktails) (7:00-8:00pm dinner) (8:00-8:30pm Speaker) TBD

8:30-10:00pm Hospitality Room open

Thursday, October 24th – Optional Field Trip

8:00am – 5:00pm

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

8:15am – 9:30am **GSP Living & Learning Center:**

9:45am – 11:45am **Claude Peteet Mariculture Center:**

12:15pm – 1:15pm **Lunch:** *(provided at Wolf Bay Lodge)*

2:00pm – 3:30pm **Weeks Bay Reserve Tour/Bay Boat Ride:**

4:15pm – 5:00pm **GSP Pier:**

Online Membership Applications & Renewals Now Available

Been awhile since you've been to a conference? Need to renew your membership? To make sure you continue to receive our newsletter? Never joined but want to become an ACE member? Or perhaps you have recently moved or changed your email address and need to update your membership info?

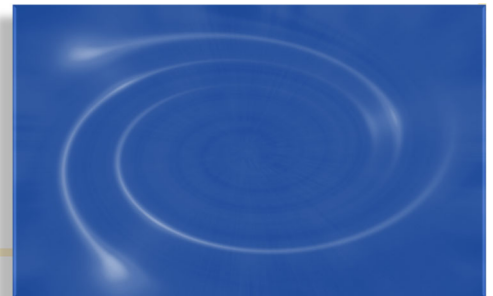
All of these options are now available on-line!

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 conservationengineers.org or follow the link here: <https://conservationengineers.org/membership/> 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.





Purpose

The purpose of the Carl Anderson Conservation Engineering Project Awards 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.

Categories

Project Category A - STUDIES / RESEARCH PROGRAMS

Non-design services including, but not limited to: Pilot/experimental projects; bioengineering; electrical heating; new products and materials; basic research on new technology; fuels and water; properties and uses of fuels; research in natural resources; hazardous waste studies; resource recovery; environmental impact studies; soils and other subsurface geotechnical investigation and evaluation; damage correction; computer services; technical papers. All of the entries in Category A are involved with non-construction document design services.

Project Category B - CONSERVATION / ENVIRONMENTAL

Dams (water supply, irrigation, flood control, recreational) Fisheries management, Parks and Wildlife facilities, Energy generation, transmission, distribution, conversion, conservation and storage-mitigation, Drainage systems, Incineration, Mine Reclamation, Resource recovery, Waste treatment facilities, Water resources and supply, Wetlands treatment.

Project Category C - SPECIAL PROJECTS

Any project that does not fit into other categories including, but not limited to: Erosion protection and control Recreational theme parks, zoos, marinas, aquariums, Site development, Structure of buildings, Historical restoration, and Construction projects resulting from unique studies or research of the type in Category A.

Eligibility

Entrant:

Any governmental agency or department, or its selected consultant, engaged in the fields of recreation, wildlife preservation, tourism and/or conservation of the natural environment that is a member of or has made application for membership in the ACE is eligible for participation in this awards program.

Project:

1. The project entered must be the completed work of the governmental agency or department making the submission.
2. Up to two project entries may be submitted by each participant.
3. The project must have been completed within the **24 months** preceding its submittal.
4. The project must have written permission from the owner for entry into the competition and future publication.



Entry

Making your submittal for the ACE Conservation Project Engineering Award is a simple two-step process:

FIRST: Send your **Declaration of Intent** to submit by fax, email or mail postmarked no later than Friday, **August 23, 2019**.

SECOND: Prepare your **Entry packet**. Entries must be postmarked no later than Midnight Eastern, Thursday, **September 5, 2019**.

The entry Packet shall include the following:

1. A copy of the ACE Declaration of Intent form as previously submitted.
2. Letter from the agency or owner giving written permission allowing for publication of any feature or innovation found to be of interest to the members of the Association.
3. ACE Data Sheet 1 (attached).
4. ACE Data Sheet 2 (attached).
5. Drawings; up to a maximum of 4 sheets as needed to delineate project.
6. Colored photographs (a maximum of six) may be utilized to complement the written description.

Note: *If submittal is larger than 10 MB, then the entry can be submitted on a CD to the Committee Chair.*

Winners will be notified to prepare a Project Panel to bring for display and presentation at the ACE 58th Annual Conference in Gulf Shores, Alabama, October 20-24, 2019.

Winner Project Panel

To be completed before the 2019 Conference

A project panel is required of those winning entries receiving an Award of Excellence or an Award of Merit, and is requested, but optional, from the winner of the Award of Honor. The project panels are on display during the Conference for viewing by all in attendance. Project panels are returned to their owner at the end of the conference.

Submit to:

ACE Committee Chairman—Holly Bentz, PE

2930 Wetmore Avenue
Everett, WA 98201
PH# (425) 783-6035
hbentz@fs.fed.us

Note: The entry fee for the 2019 awards competition has been waived. No entry fee will be required.



Judging

The judging panel shall consist of not less than three nor more than five judges. All judges will be qualified design professionals such as engineers, architects, biologists, botanists or others involved in the conservation or environmental field. At least two of the judges will be a member of ACE. The judges will be selected by the Awards Committee and may reside in the state hosting the conference. The judges will meet soon after the submission deadline to evaluate and select the projects to receive awards. The judges' decision shall be final.

None of the judges may submit entries nor be identified with any submitted entry.

Definitions of Ratings Guidelines

Originality / Innovation / New Application of Existing Techniques:

Does the entry represent any new branch of conservation engineering or some type of breakthrough in general knowledge of our environment?

Does the entry represent a unique mix of different techniques, materials or equipment?

Technical value to the Conservation Engineering Profession:

Does the entry advance the state of the conservation engineers' art?

Complexity:

Does the entry involve very complex criteria or types of problems to be addressed?

Were extraordinary problems of site, location, hazardous conditions, project requirements, or similar elements present?

Does the entry require out-of-the-ordinary technology and ingenuity for achievement?

Meeting and Exceeding Owner's Needs:

Is it an economical and cost-effective solution?

How did final cost relate to original budget estimate?

How closely does the entrant's solution meet the total goals of the owner?

Does the entry meet and justify its original concept?

Did the entrant meet the owner's time schedule?

Natural Resources and Environmental Considerations:

Does the entrant's solution bring into play an improved program, i.e., are additional benefits realized as a spin-off?

Does the entrant's role provide society with any useful advancement in the area of conservation and environmental sciences?

Is the public health, safety, or welfare enhanced as a result of the entrant's role in the project.

Awards

The jury shall make awards to three meritorious entries. At the discretion of the jury, the number of awards may be limited or expanded. The following awards will be issued:

Award of Excellence.....	Special Award
Award of Merit.....	Plaque
Award of Honor.....	Plaque

A certificate of participation may be presented to all other qualified entries. From time to time a letter of recognition or certificate may be awarded to other entries as the judges may recommend.

Awards will be presented during the Awards Banquet at the ACE 58th Annual Conference in Gulf Shores, Alabama, October 20-24, 2019.



For use of award chairperson only



PROJECT REG. NO. _____

Received _____

DECLARATION OF INTENT TO SUBMIT FOR ACE CONSERVATION PROJECT ENGINEERING AWARDS

(This page is due by fax email or postmarked on or before Friday, August 23, 2019)

Date submitted: _____

Note: Please furnish all information requested below for each entry. If additional forms are required, copy this format.

I intend to submit an entry to the Association of Conservation Engineers Design Awards Program in the following category and division designated.

Category *(Check One)*

- A. Studies/Research Program _____
- B. Conservation/Environmental _____
- C. Special Projects _____

Budget Cost of Project: _____ Scheduled Completion: _____

Actual Cost of Project: _____ Actual Completion: _____

Name of Submitting Entity: _____

Address: _____

Contact Name: _____ Phone No: (_____) _____

E-mail: _____ Fax No: (_____) _____

Name of Project: _____

Location: _____

Owner's Name: _____

Note: Remember to get Owner's approval for use of project award nomination

Name of Consultant(s): _____

(if applicable) May be the same as submitting entity

Note: The submitting entity or the owner of the project must be a member of the ACE organization or must have made application for membership at the time the Declaration of Intent is filed..



ASSOCIATION OF CONSERVATION ENGINEERS

26th Annual Carl V. Anderson Engineering Project Awards

Competition Announcement and Rules



For use of award chairperson only



PROJECT REG. NO. _____

Received _____

ACE 2019 DESIGN AWARDS DATA SHEET #1

(This page is due by fax, email or postmarked on or before Thursday, September 5, 2019)

PROJECT NAME: _____

1. Agency / Firm Making Submittal: _____

2. Address: _____

3. Contact Name: _____ Contact Phone No: _____

E-mail: _____ Fax No: _____

4. Project Location: _____

5. Project Category: _____

6. Outside Consultant(s): _____

7. If a winning entry, please give exact Project Information as it should appear on the plaque or certificate:

Name of Project: _____

Project Owner &/or

Consultants: _____

Project Location: _____



For use of award chairperson only



PROJECT REG. NO. _____

Received _____

ACE 2019 DESIGN AWARDS DATA SHEET #2

(This page is due by email or postmarked on or before Thursday, September 5, 2019)

PROJECT NAME: _____

In approximately 500 words (total), write a short summary of the project features and solutions that best answer the following rating guidelines:

Note: *The unnecessary use of names of agencies, departments, consultants or individuals should be avoided. The name of the submitter(s) is removed prior to project review, so that the panel of judges may consider projects based on solely on merit.*

- | | |
|---|-------------|
| 1. Complexity of Program: | 15% |
| 2. Technical Value to Conservation Engineer’s Profession: | 15% |
| 3. Originality/Innovation/New Application of Existing Techniques: | 20% |
| 4. Meeting and Exceeding Owner’s Needs: | 25% |
| 5. Natural Resources & Environmental Considerations: | <u>25%</u> |
| Total: | 100% |

James (Jim) Schalk Memorial Association of Conservation Engineers Scholarship

Application Requirements

1. The purpose of this program is to promote the Association of Conservation Engineers (ACE) and the continued study and learning required for the conservation of our natural and renewable resources in the areas of preservation and recreation. The Association of Conservation Engineers (ACE) is an international organization of engineers and allied personnel employed by conservation and natural resource agencies and consultants with specialized interests in the area of fish, wildlife, parks, forests and related conservation/recreation fields. Additional information about ACE can be found on our website at <https://conservationengineers.org/awards/>.
2. The selection of scholarship nominees shall be according to the following eligibility guidelines:
 - a. The selection shall be restricted to junior and senior students of the undergraduate study program and students of the graduate study program, enrolled in an accredited course of college, directed toward a BS or MS degree in engineering, any of the natural sciences, ecology, or agriculture.
 - b. Students shall carry a full program and be enrolled as a full time student.
 - c. The student shall submit a technical paper of 1250 words maximum but not less than 750 words written in essay form. The paper's topic shall relate to the conservation and/or preservation of natural, cultural or renewable resources.
 - d. A recommendation letter, on university letterhead, from one of the student's instructors shall accompany the submitted technical paper stating the student's qualifications for this scholarship.
3. The monetary value of this scholarship shall be \$500.00 (five hundred dollars) paid directly to the recipient. Presentation of the award shall be mailed to the recipient after the ACE annual conference. It is the discretion of the recipient on how the award shall be used.

James (Jim) Schalk Memorial Association of Conservation Engineers Scholarship

2019 Application Form

Name: _____ Date: _____

Address: _____

Phone Number: _____

E-mail Address: _____

Major: _____

Class (circle one): Junior / Senior of undergraduate study and graduate study

Anticipated Graduation Date: _____

Name of School: _____

Address of School: _____

Send completed Application Form, instructor's letter of recommendation, and written essay to:

Champak N Patel, P.E.

Civil Engineer

3938 S Emerson Ave.

Indianapolis, IN 46203

Or email to: cpatelbg@yahoo.com

Applications must be received no later than September 6, 2019

Winner will be notified by September 27, 2019.

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.

