
ACE RESOURCES

A newsletter for the Association
of Conservation Engineers

August 2018

Enhancing our Natural Resources

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ASSOCIATION OF CONSERVATION ENGINEERS



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



2017 Field Trip

2018 President's Update

Hello ...

The Association of Conservation Engineers (ACE) is gearing up for our 57th Annual Conference, which will be held in Norman, Oklahoma. Our organization aims to visit all of the States and moves to the Midwest after 2017 and 2016 conferences in Utah and California. Our conference hosts will be Bo Vandergriff and Janet Gillis from IronWolf, a vendor that has been attending ACE conferences for some time. We're looking forward to seeing their facility as well as getting a demonstration of their product this year.

Our hosts are planning an exciting agenda that includes field visits to Turner State Park, Roos Ranch, and Chickasaw Nature Center on Tuesday, October 16th. On the (optional) Thursday field trip, there are visits lined up to the National Weather Center and the Oklahoma City Bombing Museum. Our speaker agenda for the conference is filled up with speakers from throughout the country. It's always informative and interesting to attend and see projects and innovations from the broad topic of conservation engineering.

As shared at the Ogden conference, my goals this year as President have been to obtain 501(c)(3) status for ACE and to update our Bylaws and Operations Manual. Our Executive Committee has been meeting regularly since October to accomplish these tasks. Our organization requires that the general membership vote on Bylaws changes, so please keep an eye out for the email announcement of the new draft Bylaws that will get posted in mid-August to our website at: <http://conservationengineers.org/>. We will then vote on the Bylaws at our conference in Norman.

I hope you enjoy reading about the organization in this newsletter. You'll find information on renewing your membership on-line, applying for the Carl Anderson Awards, and plenty more!

I look forward to seeing everyone in Norman!

Natalie Little, PE

ACE President, 2017-18

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:*** ***<http://conservationengineers.org/membership.html>*** and complete your application, renewal or update.

ACE 57th Annual Conference



Norman, Oklahoma

Member Conference Registration Rates:

Conference Duration	Registration Price	Discounted Price (Sept 14th)
Full Conference	\$490	\$440
Two Days	\$440	\$360
One Day	\$220	\$180

Student Conference Registration Rates:

Conference Duration	Registration Price	Discounted Price (Sept 14th)
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	\$500

Registration for the October, 2018 ACE Conference in Norman, Oklahoma is currently open on the [ACE Website](https://tinyurl.com/y9hnabx5) (<https://tinyurl.com/y9hnabx5>). 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.

Early Registration Ends: Friday September 14th, 2018



ASSOCIATION OF CONSERVATION ENGINEERS

Preliminary Conference Agenda

Association of Conservation Engineers (ACE)

October 14-18, 2018, Norman, Oklahoma

Sunday, October 14th – Norman Holiday Inn

Executive Committee Meeting and Social: 2:30pm – 4:30pm

Conference Registration: 5:00pm – 9:00pm

Monday, October 15th – Norman Holiday Inn

8:00am – 5:00pm

Conference Registration: 8:00am

Welcome & Morning Presentations: 8:30am – 12:00pm

Afternoon Presentations: 1:00pm – 5:00pm

Dinner at IronWolf: 6:00 – 7:30pm

Tuesday, October 16th – Field Trip

8:00am – 6:00pm

Conference Registration: 8:00am

Bus leaves at 8:15am and returns about 6:00pm



ASSOCIATION OF CONSERVATION ENGINEERS

Turner Falls State Park—Road Project Review 9:30am – 10:30am

Roos Ranch— Equipment Demo 11:00am – 12:00pm

Lunch: 12:30pm – 1:30pm

Chickasaw Nature Center—Cultural Ed. Center 2:00pm – 5:00pm

Wednesday, October 17th – Norman Holiday Inn

8:00am – 8:00pm

Conference Registration: 8:00am

Morning Presentations: 8:30am – 12:00pm

Afternoon Presentations: 1:00pm – 4:30pm

Semi-formal Banquet at Legends Restaurant: 6:00pm – 8:00pm

Thursday, October 18th – Field Trip

9:00am – 3:30pm

Bus leaves at 9:00am and returns about 3:30pm

National Weather Center: 10:00am—11:30am

Lunch: 11:00am—12:30pm

Oklahoma City Bombing Museum: 1:00pm—3:00pm

ASSOCIATION OF CONSERVATION ENGINEERS

25th Annual Carl Anderson Conservation Engineering Project Awards

Competition Announcement and Rules



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; re-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.

ASSOCIATION OF CONSERVATION ENGINEERS

25th Annual Carl Anderson Conservation Engineering Project Awards

Competition Announcement and Rules



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 31, 2018**. (Encouraged but not Required)

SECOND: Prepare your **Entry packet**. Entries must be postmarked no later than Midnight Eastern, Thursday, **September 7, 2018**.

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 57th Annual Conference in Norman October 14-18, 2018.

Winner Project Panel

To be completed before the 2018 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.

Project panels are restricted to one 30" x 40" heavy weight crescent or mat board, or two 20" x 30" boards hinged and capable of standing on an easel. Material displayed shall be B/W or colored photos, printed texts and/or drawings which best describe the features of the entry. Project panels shall be identified with the name of the submitting department or agency, the name of the project and its location.

Submit to:

ACE Committee Chairman—Holly Bentz

523 Rainbow Place
Snohomish, WA 98290
PH# (425) 783-6035
hbentz@fs.fed.us

Note: The entry fee for the 2018 awards competition has been waived. No entry fee will be required.

ASSOCIATION OF CONSERVATION ENGINEERS

25th Annual Carl Anderson Conservation Engineering Project Awards

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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 57th Annual Conference in Norman, Oklahoma October 14-18, 2018.

ASSOCIATION OF CONSERVATION ENGINEERS

25th Annual Carl Anderson Conservation Engineering Project Awards

Competition Announcement and Rules



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 31, 2018)

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

25th Annual Carl Anderson Conservation Engineering Project Awards

Competition Announcement and Rules



For use of award chairperson only

PROJECT REG. NO. _____

Received _____



ACE 2018 DESIGN AWARDS DATA SHEET #1

*(This page is due by fax, email or postmarked on or before **Friday, September 7, 2018**)*

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: _____

ASSOCIATION OF CONSERVATION ENGINEERS

25th Annual Carl Anderson Conservation Engineering Project Awards

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For use of award chairperson only



PROJECT REG. NO. _____

Received _____

ACE 2018 DESIGN AWARDS DATA SHEET #2

*(This page is due by fax, email or postmarked on or before **Friday, September 7, 2018**)*

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 a www.conservationengineers.org.
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

2018 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

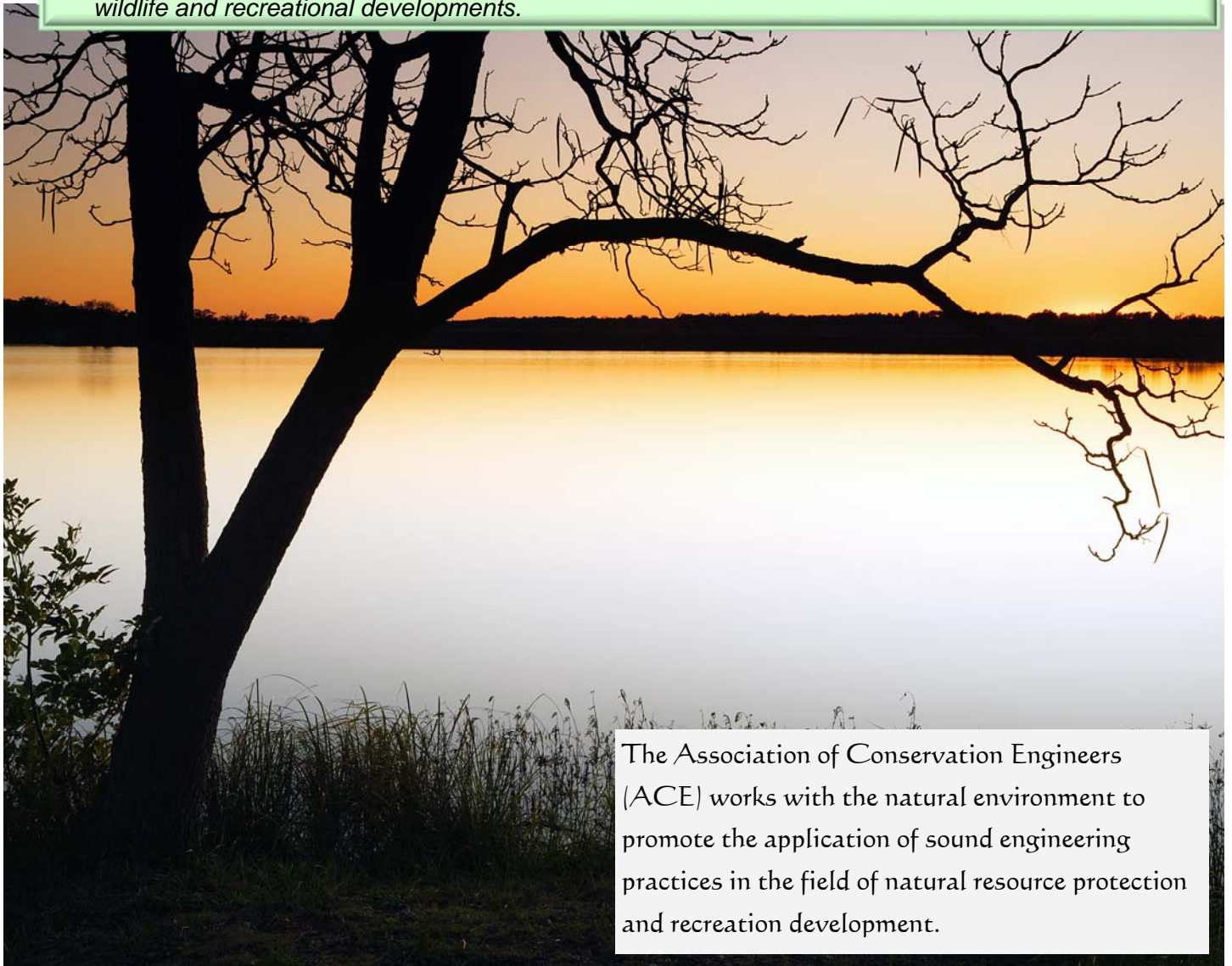
Applications must be received no later than September 7, 2018

Winner will be notified by September 28, 2018.

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.