



2018 ENGINEERING
EXCELLENCE AWARDS

CALL FOR ENTRIES

BY THE AMERICAN COUNCIL OF
ENGINEERING COMPANIES OF ARKANSAS



CALL FOR ENTRIES

2018 ENGINEERING EXCELLENCE AWARDS

2017 GRAND CONCEPTOR

1-430/1-630
THE BIG ROCK
INTERCHANGE



ACHIEVING RECOGNITION

ACEC/A's 2018 Engineering Excellence Awards competition offers the opportunity to showcase the year's best engineering achievements to an audience of clients, peers, and decision-makers at all levels. The EEA Banquet celebrates, with pride and elegance, the outstanding achievements of the engineering profession.

ENGINEERING EXCELLENCE

The American Council of Engineering Companies of Arkansas' annual Engineering Excellence Awards (EEA) competition recognizes engineering firms for projects that demonstrate a high degree of achievement, value, and ingenuity.

Again this year, engineering firms are entering their most innovative projects and studies for the state competition conducted by the American Council of Engineering Companies of Arkansas (ACEC/A).

EEA entries are accepted into one of 10 project categories: Studies, Research, and Consulting Engineering Services; Building/Technology Systems; Structural Systems; Surveying and Mapping Technology; Environmental; Water and Wastewater; Water Resources; Transportation; Special Projects; and Energy.

Awards are given for large projects with construction costs greater than or equal to \$500,000 and one for small projects with construction costs less than \$500,000 for each of the categories except Category A.

Project entries must be designed by engineers located in Arkansas. A distinguished panel is convened to judge the projects. These professionals may have backgrounds in engineering, architecture, state and federal government, media, academe, and military. The panel evaluates projects for engineering excellence and then selects winners for each subcategory. One Grand Conceptor Award is chosen from among the other award winners.

All submitted projects are rated on the basis of uniqueness and originality; future value to the engineering profession; social, economic, and sustainable development considerations; complexity; and successful fulfillment of the client/owner's needs, including schedule and budget.

ACEC/A's Engineering Excellence Awards provide firms an opportunity to obtain statewide recognition and to showcase their talent and expertise at a prestigious awards ceremony.

ELIGIBILITY

Any Arkansas engineering or surveying firm, or any firm joint venturing with an Arkansas firm, is eligible to enter the awards program, whether or not the firm is a member of ACEC/A.

JUDGING

Entries are judged on the basis of overall engineering excellence in each of 10 categories. Entries are judged on the basis of the work performed by the entering firm according to the rating guidelines listed. Winners are notified prior to the EEA Banquet, except for the Grand Conceptor Award, which will be announced at the banquet.

AWARDS

The panel of judges may grant up to 19 awards, two in each category (except in Category A), and one Grand Conceptor Award, at its discretion. The Grand Conceptor may come from any of the nine categories and will be presented as the top state winner selected by the judges, whose decisions on all awards are final. Awards will be presented to the clients/owners and the entering firm submitting the winning entries.

PUBLICITY

The public relations and marketing value of participation in the state Engineering Excellence Awards program is considerable. All state winners are highlighted in the Arkansas Professional Engineers magazine. Each entry is recognized at the awards banquet. The ACEC/A staff contacts the local media to announce winners and their awards. Winners are also published on the ACEC/A website at www.ArkansasEngineers.com/acec/.

CATEGORIES

There is a small and large project entry level for each category, except project Category A, which has no project size criteria. The small project sub-category is for projects with a construction cost below \$500,000.

This year, entrants will receive a \$100 discount for submitting in the small projects sub-category.

*Please note that these requirements are for the state competition, which closely reflect national requirements. If you choose to submit your project for national competition, there is a separate brochure and entry form.

CALL FOR
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2018 ENGINEERING EXCELLENCE AWARDS

RATING
GUIDELINES
FOR JUDGES

25% Original or innovative application of new or existing techniques

20% Future value to the engineering profession and perception by the public

15% Social, economic, and sustainable design considerations

20% Complexity

20% Exceeding client/owner needs

100% Total

DEFINITIONS OF RATING GUIDELINES

1. Original or innovative application of new or existing techniques:

Does the entry demonstrate use of a new science or a breakthrough in the general knowledge of engineering?

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

2. Future value to the engineering profession:

Does the entry advance the state of the engineer's art?

Does the entry advance a positive public image of engineering excellence?

3. Social, economic, and sustainable design considerations:

Do the solutions identified produce secondary benefits of value to the community environment?

Does the entrant's approach provide society with social, economic, or sustainable development benefits?

Does the entrant's contribution to the project improve the health, safety or welfare of the public or affected environment?

4. Complexity:

Did the entry successfully address very complex criteria or unique problems?

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

Did the entry require the use of out-of-ordinary technology or ingenuity for achievement of the project's goals?

5. Exceeding client/owner needs:

Did the engineer or entrant successfully engage the client/owner in the overall project development process?

Does the entry comply with and justify its original concept?

Is it an economic 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 client/owner?

Did the entrant meet the client's time schedule?

CATEGORY A



Studies, Research, and Consulting

Non-design services including, but not limited to:
New Products, Materials, and Technologies
Expert Testimony
Basic Research and Studies
Computer/Software Technology
Technical Papers

None of the projects entered in Category A are involved with the preparation of construction documents

CATEGORY B



Building/Technology Systems

Mechanical/Electrical
Computer/Technology
Communications
Acoustics
Software Systems

CATEGORY C



Structural Systems

Foundations
Tunnels
Buildings
Seismic Design
Towers
Bridges
Sports Facilities

CATEGORY D



Surveying and Mapping Technology

Geometrics, ALTA, Land Title, and Rights Surveys
Control, GPS, Monitoring, or Construction Surveying
Survey Mapping, GIS/LIS, and Photogrammetry

CATEGORY E



Environmental

Hazardous Waste
Solid Waste
Restoration/Reclamation
Air Quality
Noise

CATEGORY F



Water and Wastewater

Water Supply/Distribution/Treatment
Wastewater Collection/Treatment and Disposal
Industrial Waste
Residuals Management

CATEGORY G



Water Resources

Hydraulics and Hydrology
Irrigation
Storm Water Management
Erosion Control
Recreational Facilities
Flood Control and Dams

CATEGORY H



Transportation

Highways
Railroads
Airports
Marine/Ports
Public Transit
Freight
Intermodal Facilities

CATEGORY I



Special Projects

Safety and Security
Energy Production/Conservation
Oil and Gas
Nuclear
Industrial Processes/Materials Handling
Mining, Metallurgy, and Mineralogy
Corrosion Protection
Program and Construction Management
Land Development

CATEGORY J



Energy

Transmission and Distribution
Power Generation
Renewable Energy
Cogeneration
Energy Storage Technologies
Energy Efficiency - New and Retrofit
Energy Usage Reduction Programs
Demand Side Management

SUBMISSION REQUIREMENTS

This section describes all required submission materials that are mandatory for entering the 2018 ACEC/A Engineering Excellence Awards competition. All materials must be submitted as designated below.

Print Submissions

- Send to: ACEC
Attn: Angie W. Cooper, 9 Shackleford Plaza #1,
Little Rock, AR 72211
- **Project information Submittal:** Should be bound and contain one copy of all sections (1-5) of the project information submittal.
 - **Photographic Display Panel**
 - **Project Fee**

Digital Submissions

- Uploaded to: eea.arkansasengineers.com
- **Project Information Submittal:** 1 PDF that contains all sections (1-5) of the project information submittal.
 - **Project Photography**

PROJECT INFORMATION SUBMITTAL

Print and digital versions are required for this section. See "Submission Requirements" for digital and print details.

- 1. Official Entry**
The engineer or surveyor and client/owner must all sign the original Official Entry Form stating that the submitted project was substantially completed and ready for use between **November 1, 2015 and October 31, 2017**. The entry fee needs to be attached to the original Official Entry Form.

2. Executive Summary (One page: 8.5" x 11" with 1" side margins) describing the problem and solution. Project title and entry category must appear at the top of the page.

3. Project Description of five pages or less (8.5" x 11") addressing a, b, and c as listed below. The project title, category, and page number should appear at the top of each page. Entrants may use text (minimum 12pt), photos, graphics, etc.

a. Role of entrant's firm in the project

b. Role of other consultants participating in the project
- c. Brief description of the entrant's contribution to the project addressing each of the following as an example:

 - Original or innovative application of new or existing techniques
 - Future value to the engineering profession
 - Social, economic, and sustainable design considerations
 - Complexity
 - Exceeding client/owner needs. Include actual cost and actual date of completion information from the Official Entry Form.
- 4. 200-word project summary**

5. Key participants - List the key participants of the project such as contractors, subcontractors, other engineers, architects and designers involved. Include firm name, address, phone number, and an e-mail address of each participant

OFFICERS 2017 – 2018

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Chair: Laura Nick Garver North Little Rock, AR	Steve Pawlaczyk, PE CEI Bentonville, AR	Travis Tolley, PE Crafton Tull Little Rock, AR
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PHOTOGRAPHIC DISPLAY PANEL

Panels will be displayed for the judges and at the awards banquet. Panel text and photos should demonstrate the challenges, solutions, and innovative uniqueness of key project elements. The panel should be prepared with high-quality photos and graphics, with minimal text. The panel should be 30" x 30" and laminated or otherwise protected. Foam core backing is acceptable.

- Unlimited number of photographic images may be used on the panel.
- Please use 24 pt. type or larger for text and/or descriptions.
- Title and location of the study or project, client/owner's name and location, and entering firm's name and location (minimum 24 pt. type) should be shown on the front of the panel. Additional reference to the firm's name may be made within the text on the panel. The firm name, the project name, and the category shall be indicated on the back of the panel.

IMPORTANT DATES TO REMEMBER

January , 2018 Submitted materials to compete in state EEA competition must be received at ACEC/A. Deadline to submit for nationals is January 5.	February 2018 Judging will be held.	March 3, 2018 Winners will be announced during the Engineering Excellence Awards.
All materials submitted for judging in the state competition become the property of ACEC/A and may be used in future publications.		

Furnish all information requested below for each entry. Firm, project and client typed or printed as they are to appear on the award. Please limit the project name to 35 characters. A fee of \$300 per entry for ACEC/A members (\$600 for non-ACEC/A members) must accompany this form. Make checks payable to ACEC/A. (\$100 discount for small project entries)

ABOUT THE PROJECT

Project Name (Limit: 35 Characters) _____

Judge the Entry in the Following Category (check one): ☐ Small Entry Level ☐ Large Entry Level

☐ A. Studies, Research, and Consulting Engineering Services

☐ E. Environmental

☐ H. Transportation

☐ B. Building/Technology Systems

☐ F. Water and Wastewater

☐ I. Special Projects

☐ C. Structural Systems

☐ G. Water Resources

☐ J. Energy

☐ D. Surveying and Mapping Technology

Project Location: Address (no P.O. Boxes) _____

City _____ State _____ Zip _____

Complete Relative to the Entrant's Portion of the Project: (Budgeted and/or actual costs may not apply to some studies in Category A)

Completion/Use Dates: Scheduled _____ Actual _____

Category A Costs: Budgeted \$ _____ Actual _____

Construction Costs: Budgeted \$ _____ Actual _____

ABOUT THE FIRM(S) SUBMITTING THE PROJECT

Entering Firm(s) _____

Firm Representative _____ Title of Representative _____

Address (no P.O. Boxes) _____

City _____ State _____ Zip _____

Phone (_____) _____ Cell (_____) _____ Fax (_____) _____

Email _____

I hereby authorize submission of this project in the American Council of Engineering Companies of Arkansas' 2018 ACEC/A Engineering Excellence Awards competition.

Senior Executive/Principal _____ Title _____

Signature _____ Date _____

Address (no P.O. Boxes) _____

City _____ State _____ Zip _____

Phone (_____) _____ Cell (_____) _____ Fax (_____) _____

Email _____

ABOUT THE CLIENT/OWNER(S) SUBMITTING THE PROJECT

Client/Owner(s) _____

I currently believe the work of the engineer meets the intended uses and expectations for the project and hereby grant permission to enter this project in the ACEC/A 2018 Engineering Excellence Awards competition, and authorize publication of its outstanding features, unique aspects, or innovations. I confirm that the project was substantially completed and ready for use between November 1, 2015 and October 31, 2017.

Client Owner/Representative _____ Title _____

Signature _____ Date _____

Address (no P.O. Boxes) _____

City _____ State _____ Zip _____

Phone (_____) _____ Cell (_____) _____ Fax (_____) _____

Email _____

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The logo for ACEC Arkansas, featuring the text "ACEC" in a large, bold, serif font, with "Arkansas" in a smaller, italicized serif font to its right. A thin, curved line arches over the text.