

# ASEE K-12 Workshop

## Call for Proposals

The American Society for Engineering Education (ASEE) is pleased to hold its 13<sup>th</sup> [K-12 ASEE Annual Teachers Workshop](#) June 25, 2016, at the New Orleans Convention Center in New Orleans, LA. The theme for this year's workshop is "*STEM Integration through Engineering.*"

This daylong program for teachers and engineering educators from Louisiana and across the country will provide an energizing, interactive overview of successful engineering education instruction for the K-12 classroom that – among many other attributes – emphasizes how engineering can be used as the central component of integrated STEM projects. Attendees will: learn engaging hands-on lessons and interactive activities to share with students, receive takeaway materials ready for use in the classroom, and have opportunities to network with other engineering educators.

This year we have a new, joint effort with the Frontiers in Education (FIE), who is also holding a teacher workshop in conjunction with their October 2016 conference in Erie, Pennsylvania. You have the option of submitting your workshop to either ASEE or FIE, or to both. Corresponding registrations and associated fees will be required.

### CALL FOR PROPOSALS:

- Workshop Proposals may be submitted for review November 13, 2015 – February 4, 2106.
- To submit a proposal, go to: <http://www.asee.org/K12Workshop>
- Individual workshops should prominently:
  - feature hands-on classroom activities
  - provide take-home or classroom-ready materials, in addition to written materials
  - engage participants in interactive exercises
  - explicitly feature strategies, activities and/or curricula that use engineering in an **Integrated STEM activity or project**
  - include technical content, use of the engineering design process, and ideas for effective teaching/pedagogy
  - address diversity and how to attract/retain students in STEM
- All workshops must be linked to national standards (e.g., the [ITEEA Technological Literacy Standards](#), the [Next Generation Science Standards](#), the [Common Core State Standards in Mathematics](#)).
- In particular, we are seeking proposals addressing elementary/primary grades.
- *Note that presenters must register and pay the registration fee to support their workshop attendance and audio/video costs.*

# WORKSHOP PROPOSAL FORM

2016 Annual ASEE K-12 Workshop on Engineering Education, New Orleans, LA  
“STEM Integration through Engineering” : Saturday, June 25, 2016 8AM – 5PM

2016 Inaugural FIE K-12 Workshop on Engineering Education, Erie, PA  
“E in STEM” : Saturday, October 15, 2016 8AM – 5PM

## CONFERENCE REGISTRATION:

**ASEE K-12 Workshop:** Saturday, June 25, 2016 at the New Orleans Convention Center

- Early online registration – for attendees and presenters – opens November 13, 2015 and closes June 3, 2016.
- After June 3, registration must be done onsite at non-discounted rate.
- For more information, please visit: <http://www.asee.org/K12Workshop>.

For additional details, please contact Stephanie Harrington-Hurd, Manager K-12 Activities, at [k12workshop@asee.org](mailto:k12workshop@asee.org)

**FIE K-12 Workshop:** Saturday, October 15, 2016 @ Bayfront Convention Center, Erie PA

- Early online registration – for attendees and presenters – opens May 16, 2016 and closes September 26, 2016.
- After September 26, registration must be done onsite at non-discounted rate.
- For more information, please visit: <http://www.asee.org/K12Workshop>.

For additional details, please contact Melanie Ford: [MelanieFord@psu.edu](mailto:MelanieFord@psu.edu)

Please respond to each item in this electronic form and return it to the Review Committee at [k12workshop@asee.org](mailto:k12workshop@asee.org). Only emailed submissions of this form will be accepted—no faxes please. Once your completed form is received, you will receive a confirmation e-mail that will also include your assigned Proposal ID Number.

Direct questions to Stephanie Harrington-Hurd, ASEE K-12 Meeting Manager, at [k12workshop@asee.org](mailto:k12workshop@asee.org). Additional workshop details are available at: <http://www.asee.org/K12Workshop>. Thank you!

### Deadline

**Thursday, February 4, 2016 by 5:00PM EST**

*Presenters will be notified of acceptance status by March 14.*

*Late submissions will not be accepted.*

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## SUBMISSION INFORMATION

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Provide the first and last name of each presenter, including affiliations. If there is more than one presenter, designate one person as the organizer and provide only that person’s contact information. The organizer is responsible for communicating to co-presenters.

Number of Presenters:

Presenter Name(s):

- |         |       |             |
|---------|-------|-------------|
| 1) Last | First | Affiliation |
| 2) Last | First | Affiliation |
| 3) Last | First | Affiliation |

Contact Person’s Name:

Contact Person’s Email:

Contact Person’s Phone:

Contact Person’s Alternate Phone:

Please provide a one-paragraph bio for each presenter (in the order listed above). The bio should not exceed 70 words and should be written as you would want it to appear on the ASEE website and program materials.

- 1)
- 2)
- 3)

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## WORKSHOP INFORMATION

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Please indicate to which conferences you are submitting your workshop. Reviews and acceptances will be handled separately for each conference.

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- Annual ASEE K-12 Workshop, Saturday June 25, 2016.
- Inaugural FIE K-12 Workshop, Saturday October 15, 2016.
- Both ASEE and FIE workshops.<sup>+</sup>

Please indicate the preferred duration of your workshop:

- Strongly prefer providing one 1 hour workshop.
- Strongly prefer providing one 1 hour 30 min workshop
- Would prefer providing one 1 hour 30 min workshop, but could shorten the workshop to accommodate a 1 hour format if necessary.\*

+ Note: Registration and associated fees for both conferences will be required.

\* Note: Justification for the preference of the longer format is required (see requests for information that follow).

Proposed Title:

Abstract:

*Please provide a concise description that includes the workshop's learning objectives (maximum 750 characters). The abstract is used on the ASEE website, program materials, and other K-12 Workshop promotional activities.*

Please provide a detailed description of the proposed workshop that, at minimum, explicitly addresses the following (maximum 4,000 characters):

- a. Learning objectives
- b. Hands-on activities and interactive exercises
- c. Materials that participants can take with them
- d. Practical application for teachers and outreach staff

Describe how your workshop will explicitly address the use of engineering in an integrated STEM activity or project (maximum 2,000 characters):

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Identify and describe which attributes will be explicitly addressed by your workshop. At least one of those must be within the first six listed, below; i.e., do not only check "other". Check all that apply:

- Diversity
- Engineering Design Process
- Technical content
- Effective teaching/pedagogy
- Attracting or retaining students in STEM
- Other (please describe below)

If you stated that you preferred a 1 hour 30 min workshop format, please provide justification for why the longer format is preferred (maximum, 2,000 characters).

Are there any online components to the proposal or presentation? (Note that these online components may only be available to presenters or those who have their wireless subscriptions, since wireless may not be available during the workshop sessions.)

- No
- Yes

Please describe:

Grade Level Target Audience (check all that apply):

- Elementary (EC-4)
- Middle School (5-8)
- High School (9-12)

Maximum Number of Participants:

If this number is greater than 25, please describe how your workshop will equally engage all participants.

ASEE: All Seating is Classroom (tables and chairs).

FIE:  Round Table seating  Classroom seating (tables and chairs)

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Audio Visual Equipment Requests:

*Note: An LCD projector, screen and podium with attached microphone are provided. Requests for additional equipment or resources (e.g., internet connection or laptops) will incur extra charges. If you do not have additional requests, please indicate with “Not applicable.”*

## Reminder:

ASEE K-12 Workshop Presenters **must register and pay the registration fee** to support their workshop attendance and audio/video costs.

FIE K-12 Workshop Presenters **must register either for the workshop or the conference** to support their workshop attendance and audio/video costs

**Thank you for completing this proposal form!**

**Please review this document prior to submitting it to ensure that all items are complete.**

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ASEE USE ONLY

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Date Received:

Received By:

Proposal ID Number: