



INTERNATIONAL PREPROFESSIONAL COMMUNITY (IPC)

WINTER 2017 NEWSLETTER

DATES TO REMEMBER

Midwestern Rally

Iowa State University
March 2-4, 2017

Southeastern Rally

University of Arkansas
March 17-19, 2017

International 1/4 Scale Tractor Student Design Competition

Peoria, IL
June 1 - 4, 2017

Annual International Meeting (AIM)

Spokane, Washington
July 16-19, 2017

IPC MISSION & GOALS

- ➔ Promote leadership and professional development of preprofessional (undergrad) members of ASABE
- ➔ Promote the interests and activities of preprofessional members
- ➔ Promote the objectives of ASABE among preprofessional members

Q: What is the International Preprofessional Community?

A: The IPC consists of members of ASABE who are considered preprofessionals.

Q: How can I get involved with IPC?

A: Numerous student competitions and activities take place every year at AIM. If you want to be involved with planning next year's meeting, the IPC elections will be held during the AIM in Spokane.

Network with other students at the IPC mixer after the Fountain Wars build competition!

See you in Spokane!

2017 ASABE ANNUAL INTERNATIONAL MEETING

Spokane, Washington :: July 16-19, 2017





Student Design Competitions

Spokane, Washington- July 15-19, 2017

Fountain Wars

Fountain Wars is a real-time design competition where students design and model their entry on-site at the AIM, and build and test their actual entry under time pressure during the competition at the AIM. Fountain Wars requires a modest design document and limited expenditures. Teams will arrive at the competition with a design for their fountain, along with the necessary PVC pipe, couplers, fittings, valves, nozzles, and pumps to assemble their design. Awards are based on scores of the written report, oral presentation, construction, technical tasks and aesthetic display segments of the event. Cash prizes for top three finishers - **\$1,250, \$1,000 and \$750.**

Registration Deadline: February 1, 2017
See [ASABE website](#) for additional details

Robotics Design Competition

The ASABE Robotics Student Design competition allows undergraduate and graduate students to develop skills in robotic systems, electronics, and sensing technologies by simulating a fully autonomous robotics solution to a common agricultural process. The robots must be fully autonomous and able to complete the task without human intervention. The robots are small, less than 12"x12"x12", and complete the challenge on an 8'x8' competition board. The challenge of this year's competition will be to simulate a full raspberry primo-cane suppression and selective floriculture removal pruning operation using autonomous robots.

Registration Deadline: February 1, 2017
See [ASABE website](#) for additional details

Ethics Video Challenge

In a video of five minutes or less, describe an ethical issue faced by agricultural and biological engineers in practice or research. Winners will receive a travel grant to the 2017 ASABE Annual International Meeting (AIM), where winning videos will be presented at the 2017 Ethics session sponsored by EOPD-412, as case studies for discussion of ethical scenarios.

Up to four winners, two each from the preprofessional and young professional categories, will be selected to receive a grant of up to **\$2,200** to be used towards registration and expenses to attend the 2017 AIM held in Spokane, WA.

Submission Deadline: April 15, 2017
See [ASABE website](#) for additional details

AGCO National Design Competition

Competition Entry Requirements

Projects must involve engineering design, and all projects must be related to agriculture.

The design projects must include:

- A written report (see format for entries).
- Drawings or specifications that describe the design.
- Extensive or substantial test or performance data obtained from (1) a prototype or physical model of the machine or critical component, and/or (2) a computer simulated test of the system or process.

Submission Deadline: May 15, 2017
See [ASABE website](#) for additional details



AIM Student Competitions

Spokane, Washington- July 15-19, 2017

Ag & Bio Ethics Essay Contest

Open to undergraduate and graduate student members of ASABE and/or the Institute for Biological Engineering (IBE), entrants will submit an original essay of up to 1,500 words, choosing an ethics topic impacting the practice of professions related to agricultural and biological engineering, systems, or technology. Three finalists will be selected to present their papers at the AIM, July 16-19, in Spokane, WA.

The top three placements will earn cash awards as follows: **\$500** for 1st; **\$300** for 2nd; and **\$200** for 3rd. Each will receive complimentary AIM registration as well.

Entry Deadline: May 1, 2017

See [ASABE website](#) for additional details

K.K. Barnes Essay Contest

The objective of the K. K. Barnes Student Paper Awards Competition is to encourage undergraduate students in the preparation of better technical papers on subjects in the agricultural, food or biological engineering field. It is intended as a special incentive to supplement the training provided in the undergraduate curriculum by providing early practice in a type of performance required of professionals in the work in which they will later engage.

The competition consists of two parts: a written competition and an oral competition. Authors of the top three written papers are invited to attend the AIM to participate in the oral competition.

Entry Deadline: May 15, 2017

See [ASABE website](#) for additional details

Undergraduate Poster Contest

The Undergraduate Project Poster Competition is held at the AIM. This poster project competition encourages ASABE undergraduate student members to interact with industry, faculty and fellow students by giving a technical poster presentation that showcases the student's work on a project related to agricultural and biological engineers.

Winners will receive cash awards of **\$500**, **\$300**, and **\$200** for first, second, and third places, respectively. Posters will be evaluated equally in two mail categories: project and presentation.

Entry Deadline: June 5, 2017 to Connor West, westcon@iastate.edu

See [ASABE website](#) for additional details

G. B. Gunlogson Open Format Environmental Design Competition

The competition encourages undergraduates to participate in the design of a relevant engineering project and to provide an arena of professional competition for environmentally related design projects. The competition consists of two parts: (1) Submission of a design report to be judged by an expert panel, and (2) Participation by the three teams earning the highest report scores in a presentation competition at the AIM. Meeting registration will be waived for teams invited to compete on-site.

Awards will be presented at AIM awards program. Cash awards of **\$1,250**, **\$1,000** and **\$750** will be presented to the first, second and third place entries.

See [ASABE website](#) for additional details

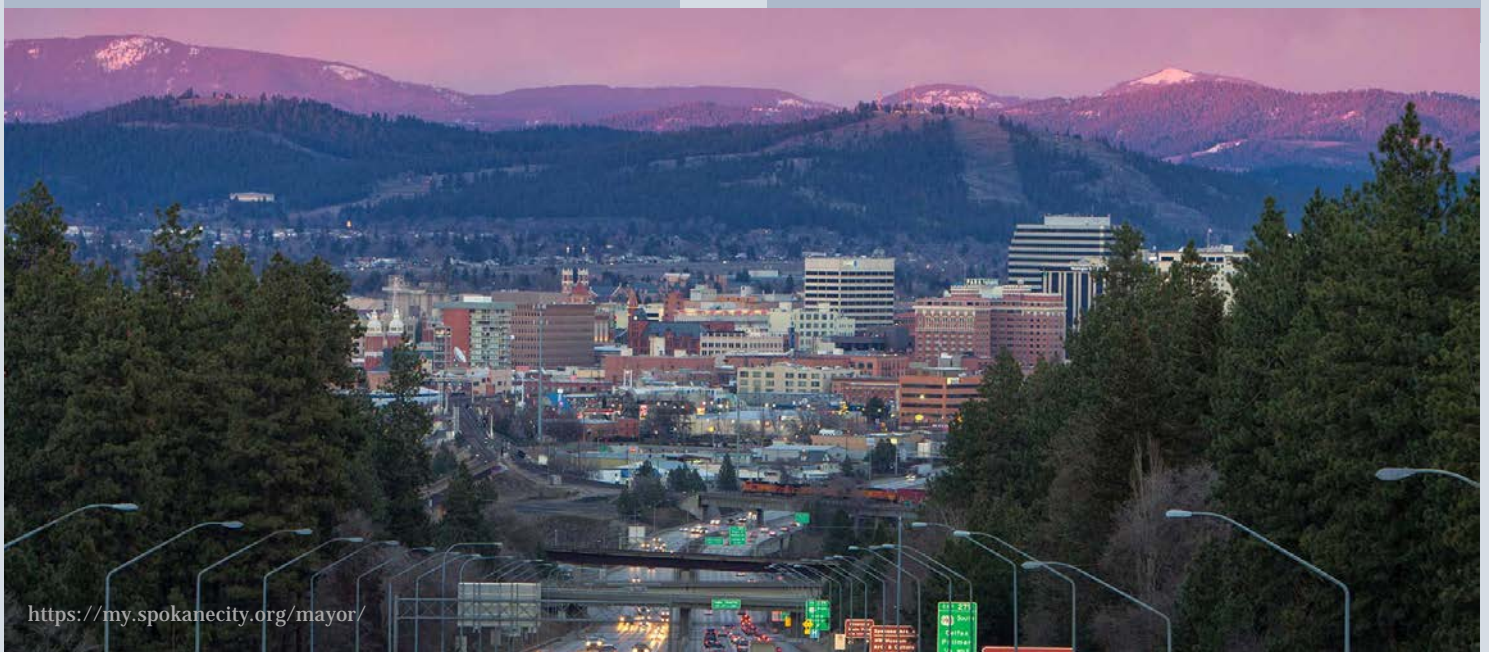


SEE YOU IN SPOKANE!



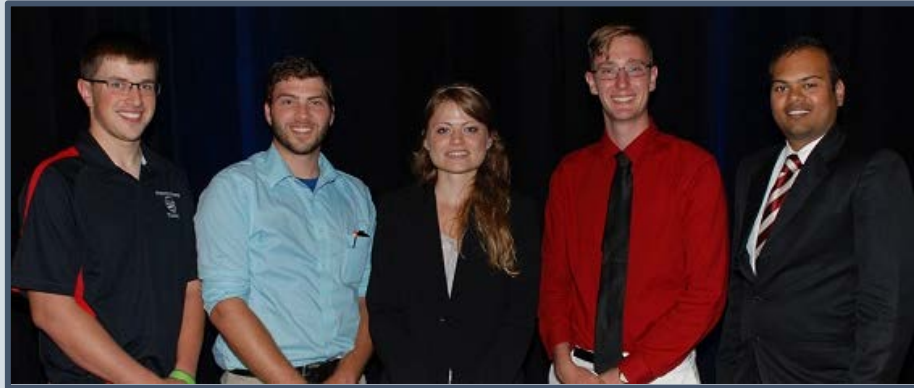
Business & Pleasure

- Networking Opportunities
- More than 1,000 Technical and Poster Presentations
- Professional Development Sessions
- Find your next job or internship at the Career Fair!
- Technical and Cultural Tours!
- Student Design Competitions!
- Night life!—be sure to visit the cliff-top winery or one of the amazing breweries!
- Outdoor Adventures—white water rafting!





2016-2017 IPC Officer Team



IPC Officers 16-2017: L - R: 2nd Vice President: Parker Williams, University of Wisconsin - Madison; Secretary: Connor West, Iowa State University; President: Christian Ley, Oklahoma State University; 1st Vice President Michael McGowan, University of Florida; Treasurer: Ravi Kiran Tadapaneni, Washington State University



Active ASABE Student Chapters: Compiled by T. Midgley and K. Jordan