



ASABE Student Video Competition – Three Minutes is all it takes!

In the laboratory, in the field, in the classroom, at home and abroad, agricultural and biological engineers and preprofessionals are making a difference in the world. Their work is meaningful, transformative, and exciting! The ASABE Student Video Competition invites you to tell the story of that work.

What do you want the world to know about your profession? Find your message and express it creatively in a three-minute video. Shine a light on the profession as you've come to know it, through classwork, internships, outreach, mentors, alumni, or other ASABE members. Get excited. Be creative. Have fun! Inspire others toward a greater understanding and appreciation of--perhaps even a career in--agricultural and biological engineering!

Top entries will enjoy:

Cash awards of up to \$1500

A screening at the 2013 ASABE Annual International Meeting, in Kansas City

Prime visibility at www.asabe.org and elsewhere as a resource for promoting greater awareness of the profession

Deadline: April 8. Learn more now! www.asabe.org/svc

Important Information & Dates to Remember:

K.K. Barnes Student Paper Competition, submit by: March 28.

Gunlogson Environmental Design Competition, sign up by:
April 10 at 11:00 PM EST.

AGCO National Student Design Competition, submit by: May 2

Undergraduate Poster, signup deadline: June 20

-Email brief poster abstract to: ipc.asabe@gmail.com

Robotic Design Competition, sign up deadline: June 21st

The ASABE's Annual International Meeting: July 21-24

For more information on these events and the AIM see pages 3-5.



Passing the Torch

By Jacob Mayer

I am serving my first year as the advisor for the International Pre-Professional Council (IPC). I joined the American Society of Agricultural & Biological Engineers (ASABE) six years ago, while I was an undergraduate student in Ames, Iowa. I received my B.S. in Agricultural & Biosystems Engineering from Iowa State University (ISU) in 2008 and my M.S. in Biological Engineering from Mississippi State University (MSU) in 2011. I am currently a Project Engineer for a small consulting firm in Eastern Nebraska where I design and build livestock production systems; My wife calls it poop solutions. I have served as the President of the ISU ASABE Chapter (2007-2008), the Parliamentarian of IPC (2008-2009), the President of IPC (2009-2010), and Southeastern Region President (2010-2011).

Big deal, right? The point is not to boast on my accomplishments; the point is that not so very long ago I was in your shoes and that I would not be where I am today without the skills and relationships I developed through ASABE. I wanted to work with IPC because I had such great mentors as a Pre-professional and I felt compelled to pass along the wisdom they bestowed on me. If there is ever anything I can do to help you (review a resume, find someone doing research in a field that interests you, introduce you to someone from a company you'd like to intern with), please don't hesitate to ask.

For those of you who may not know, Dr. Joe Glass served previously in this position for over 20 years. He is a man of great character and a dedication to helping young people that will be deeply missed. What I'll miss most about his guidance is the way he was able to approach serious topics with perspective and humor, so I'll close the way he so often did: with a joke.

Why did the farmer ride his horse to town? Because it was too heavy to carry.



2013 ASABE International Meeting

July 21 - 24, 2013

Kansas City, Missouri





The Keys to Success

Jake's tips for thriving in college:

#1 FIND BALANCE – Your GPA is important, but it isn't everything.

Don't spend so much time in the library that you never get invited to a party. Don't go to so many parties that you forget where the library is.

#2 APPLY YOURSELF IN THE “REAL WORLD” – You need to have at least two internships, even if it means not taking classes for one semester. Working for different companies is preferable, but if that isn't possible then make sure you are in different locations or positions.

#3 TAKE A ROAD TRIP – You need to spend at least one week out of the country.

Going to Cancun for spring break doesn't count; spending spring break in Mexico where Norman Borlaug conducted wheat research does.

Work hard, have fun, and good luck.



Follow us on:

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AIM 2013, Kansas City, MO

July 21-24th

Before we know it, school will be out and the 2013 Annual International Meeting will be right around the corner. It's not too soon to mark the calendars and schedule time off from summer internships to attend. The meeting is a great opportunity to network with other students and professionals within ASABE. It's also a great chance to showcase any projects you've been working on through the Undergraduate Poster competition. Other competitions include Fountain Wars and the Robotics Design competition, which have rapidly approaching sign-up deadlines! The International Preprofessional Committee (IPC) is working hard to make sure there are also plenty of opportunities to socialize and see the sights. Some activities include: **Boulevard Brewery tour, go-karting, bowling and pizza**, as well as a night or two out in the famous Kansas City power & light district.



AIM Elections

Did you know the IPC officers are elected every year at the Annual International Meeting? If you are interested in running to be on this year's executive, mark your calendar to be in Kansas City, Missouri from July 21-24th. For more information email christopher.mcguire@mail.mcgill.ca and check out the IPC bylaws at: <http://www.asabe.org/media/9200/ipcbylaws.pdf>



AIM 2013, Kansas City, MO July 21-24th

Fountain Wars Design Competition

Fountain Wars is a hands-on, real-time design competition where students design and model their entry on-site at the Annual International Meeting (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. As such, it is primarily targeted at student clubs or participants in sophomore/junior-level class design projects. 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. After making a brief, marketing-style promotion, they will construct their system during a 120-minute construction period.



Awards are based on scores of the written report, oral presentation, construction, technical tasks and aesthetic display segments of the event.

For more information check out the competition rules at:

http://www.asabe.org/media/59116/2013_fountain_wars_rules.pdf

Undergraduate Project Poster Competition

The Undergraduate Project Poster Competition is held at the ASABE Annual International Meeting. This competition encourages undergraduate students to interact with industry, faculty and fellow students by giving a technical poster presentation on an engineering project useful to agriculture and related areas.

Winners will receive cash awards of \$500, \$300, and \$200 for first, second, and third places, respectively. Posters will be evaluated in two main categories: project and presentation. The project portion will focus on the technical content of the poster, while the presentation section will evaluate both the presenter(s) and poster appeal.

For information on eligibility and registration visit: <http://www.asabe.org/awards-landmarks/student-awards,-competitions-scholarships/undergrad-poster-comp.aspx>

Additional information can be found at ASABE.org



Southeast Region Rally

The Southeast Region Rally will be hosted in Stillwater Oklahoma on the Oklahoma State University (OSU) campus. The Rally will begin on Friday April 5th and Continue through Sunday April 7th. Friday evening will be an informal social event for students to network and make new friends. Afterwards, students will have the opportunity to visit the Stillwater strip where Red Dirt music has its beginnings. Saturday will be packed with tours, industry speakers and competitive fun! In the morning there will be a brief business meeting, then attendees will tour the Hydraulics Laboratory, a dam and waterway research facility powered by lake Carl Blackwell. The afternoon session will feature industry speakers from AGCO, the NRCS, Bama Co., and others. Students will also have the opportunity to win bragging rights in the engineering design competition. The Rally will be concluded Sunday morning with the election of new Regional Officers.



Join our Facebook page, [ASABE Southeastern Region](#), to stay up to day on new developments and reconnect with old friends. The Southeast Rally is a great way to network with industry professionals, have an up-close view of graduate school opportunities, and, most importantly, network with your engineering peers. If you have any questions or concerns please contact Collin Craige, Southeast Region President, at cccraig@okstate.edu.

Collin Craige: Southeast Region President

I am a senior at Oklahoma State University (OSU), majoring in Biosystems and Agricultural Engineering with an emphasis In Biological Processing. I was born in Bokchito Oklahoma, population 643, which is where my interest in Agriculture and Engineering developed. I am looking forward to completing my undergraduate degree this May and continuing my education in a Master's program at OSU. I plan to conduct research and development in fuel cell technology as part of my Master's study plan.



I have been actively involved in ASABE and the ¼ scale tractor team my entire collegiate career as well as research activities and student government. The majority of my senior year has been packed with research, my senior design project and planning the Rally. I am very excited to host the Rally this spring and look forward to meeting the future leaders of ASABE.



Christopher McGuire – President

Hello Preprofessionals! I am a 5th year Bioresource Engineering Student from the Macdonald Campus of McGill University in Montreal, Quebec. I grew up in Smiths Falls, Ontario where I would pass the time with friends and family skiing, hunting, maple syrup making and boating. Over the past few summers I have worked for a watershed management organization and an agricultural building design firm and would be happy to work in either of these areas after graduation. The single most rewarding event I have attended as a member of ASABE is the Annual International Meeting (AIM). We are currently working hard to distribute as many travel scholarships as possible and create a top notch preprofessional schedule to satisfy our academic and social needs. As President of the IPC I always appreciate the chance to hear your ideas and feedback on how the officers can better serve the preprofessional community between the AIMs. Send me an email anytime at: christopher.mcguire@mail.mcgill.ca .



Kelsey Reagan: 1st Vice President

I am a senior at Iowa State University majoring in Agricultural Engineering in the Environmental Systems option. I will graduate in the fall of 2013 with my bachelors and I have already started grad school in the concurrent MS/BS program at Iowa State. I grew up in the city in Davenport, IA but develop an interest in agricultural engineering at my family's hobby farm in Mineral Point, WI. One of my interests is traveling internationally. I spent a semester studying abroad in Brazil and I worked on a solar fruit dryer project in Belize with Engineers Without Borders. Now I am working on a senior design project that will improve an anaerobic digestion system for developing communities in Nicaragua. In the future, I hope to work on more projects with Engineers Without Borders or other international development organizations. When I'm not working on school related things, I enjoy going on really long bike rides. Last year I completed a 200 mile bicycle race and this year I plan to compete in a 24 hour race. This year will be my 4th ASABE AIM and I strongly encourage everyone, especially underclassmen to attend!





Ryan McKellar: 2nd Vice President

Hi, my name is Ryan McKellar and I am a fifth year Bio-Resource and Agricultural Engineering student at California Polytechnic State University San Luis Obispo. Currently I am concentrating in water engineering specifically irrigation design and technology. I have been involved in the Agricultural Engineering Society (AES) here at Cal Poly, which incorporates our chapter of ASABE, for over three years. I serve as the ASABE national representative for AES. Originally I am from Santa Maria, California and agricultural community in the Santa Maria Valley. Upon graduating in June of this year I hope to pursue a career in the Agricultural Engineering field. After a few years of experience I hope to obtain my Professional Engineering License.



Treasurer: Taylor Leahy

After completing my Bachelor's in ABE at the University of Illinois in May 2012, I decided stay at the university to pursue a MS Degree in Soil and Water Resources Engineering. At present, I conduct my research at CERL for the Army Corps of Engineers, with Dr. Kalita serving as my fearless advisor. When I'm not in class or researching, I can be found spending time with friends, traveling, or just enjoying the great outdoors.



Secretary: Justine Beaulieu Gagné

I'm from Université Laval in Québec, Canada. Chris and myself are the two members of the IPC from Canada. Being from Québec, my first language is French. I come from a small city called Trois-Rivières, where the agriculture and forestry is a part of our everyday life. It is a fulfilling experience to be part of the IPC. As my undergraduate studies come to an end and I reflect on my time at Laval, one of the best experiences I've had has been my years working in the quarter scale tractor pulling competition. After my bachelor, I'm planning to work at an agricultural marketing firm.

