

**2013-2014**

**AIChE**®  
P U R D U E U N I V E R S I T Y

**Activity Summary &  
Corporate Support Guide**

Purdue American Institute of Chemical Engineers  
Forney Hall of Chemical Engineering, B142E  
480 Stadium Mall Drive  
West Lafayette, IN 47907-2100

<https://engineering.purdue.edu/AIChE>



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### Overview

This booklet is designed to provide an overview of the activities of Purdue AIChE organized and to assist companies in targeting their involvement within the Purdue University Chapter of the American Institute of Chemical Engineers (Purdue AIChE). Corporate support can be separated into monetary and non-monetary support. Furthermore, companies wishing to give monetary support to Purdue AIChE have the option of becoming silver, gold, or platinum supporters, as described in more detail later in the booklet.

The projected costs for each program are indicated when possible. There is a Sponsorship Interest Sheet located at the end of the booklet for corporate representatives to fill out and return. Questions are encouraged and can be directed to the president, Austin Tackaberry, preferably by email: [atackabe@purdue.edu](mailto:atackabe@purdue.edu).

Purdue AIChE could not continue its tradition of excellence without the support from corporate partners. In keeping with AIChE's vision to provide value as a Global Leader, Lifetime Center and Foremost Catalyst, Purdue AIChE provides members with opportunities for personal and professional growth, leadership and technical applications.

By investing in the Purdue AIChE, you are investing not only in the current generations of chemical engineering students, but in the future generation of engineers as well. We thank you for your time and continued involvement in our chapter.

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\*Additional hard copies of this pamphlet are available upon request.



### Greetings from the President

Greetings,

My name is Austin Tackaberry, and I am honored to have been elected this year's President of Purdue's student chapter of American Institute of Chemical Engineers (AIChE). AIChE is committed to the chemical engineering undergraduate students and offers multiple opportunities aimed to develop and prepare individuals during the transition from an educational scene to a professional one. This year we plan to continue to improve our students' professional skills, leadership abilities, and build stronger student, faculty, and corporate relationships.

Our chapter of AIChE has eight committees including Industrial Relations, Student/Faculty Relations, Chem-E-Car, Grand Prix Cart, Social/Athletic, Philanthropy, Communications, and Finance. Each committee is focused around the members' abilities and interests, aiming to build stronger leadership, communication, and professional skills through many activities and events. For example, Professional Development, Industrial Relations, and Student/Faculty Relations allow students to interact with corporate representatives and professors, thus aiding in developing better communication skills and networks. ChE Car, Grand Prix Cart, and Finance focus on applying knowledge from the classroom to present day, practical situations. Lastly, Social/Athletic and Philanthropy offer a unique opportunity to meet other students, have fun, and make a difference in our community.

The American Institute of Chemical Engineers is a professional organization and relies solely on funding from corporate sponsors. We offer you the opportunity to become involved in our distinguished organization. This booklet clearly outlines this year's plans and financial needs that we need your help fulfilling. Currently, we plan about one event per week while school is in session which we have found quite valuable to the student body. These events include the annual Fall Industrial Banquet, industrial information sessions, the Regional and National Conference, Chem-E-Car Competitions, Grand Prix Racing, various philanthropy events including a blood drive and Relay for Life, student/faculty events, and intramural sporting events.

We hope you can become a part of Purdue's AIChE and deeply appreciate your contributions. We truly need your support to continue offering many worthwhile opportunities to Purdue chemical engineering students that help prepare them for a professional career. If you are interested in sponsoring any future events with us please contact me at any time.

Thank you,

Austin Tackaberry  
President, Purdue AIChE Chapter



## Advisor and Officers

Faculty Advisor

Dr. Bryan Boudouris  
Assistant Professor  
Purdue University  
School of Chemical Engineering  
FRNY 2148  
[boudouris@purdue.edu](mailto:boudouris@purdue.edu)  
Office: (765) 496-6056



President

Austin Tackaberry  
[atackabe@purdue.edu](mailto:atackabe@purdue.edu)  
(815) 378-5790



Internal Vice President

Peter Bocek  
[pbocek@purdue.edu](mailto:pbocek@purdue.edu)  
(219) 241-7746



External Vice President

Henka Darsono  
[hdarsono@purdue.edu](mailto:hdarsono@purdue.edu)  
(765) 714-9316



Secretary

Kevin Sommer  
[sommerk@purdue.edu](mailto:sommerk@purdue.edu)  
(219) 363-0679



Treasurer

Eric Lemmel  
[elemmel@purdue.edu](mailto:elemmel@purdue.edu)  
(317) 362-7212





## Chapter's Yearly Event Summary and Budget

Purdue AIChE is one of the largest engineering student organizations at Purdue. It offers excellent opportunities for student engineers, both academically and professionally, that will be valuable throughout college and beyond.

The Purdue American Institute of Chemical Engineers, founded in 1996, is a strong chapter with approximately 200 members—almost half of the entire undergraduate chemical engineers body. Closely aligning with National AIChE, the purpose of the Purdue AIChE chapter is to promote student and faculty interactions, to provide professional development opportunities and to encourage the application of chemical engineering knowledge. To meet our vision and our mission, the Purdue AIChE section has an officer network comprised of thirty-three members who work together to organize a variety of events throughout the academic year.

Our executive board consists of five officers, eight committee heads, and twenty committee members. More in-depth descriptions of each committee and respective events are included in this booklet. Below is a listing of the committees:

- Chem-E-Car
- Communications
- Finance
- Grand Prix
- Industrial Relations / Professional Development
- Philanthropy
- Social Athletics
- Student/Faculty Relations

In the 2012-2013 academic year, Purdue AIChE hosted 30 events including, but not limited to:

Resume Review Workshop  
Industrial Banquet  
13 Company Information Sessions  
4 Philanthropy Events  
9 Student/Faculty Socials  
3 Athletic Events  
2 Plant Tours  
2 Cookouts

The success of Purdue AIChE is evident throughout our history and will continue to thrive in years to come.



**Overall Budget**

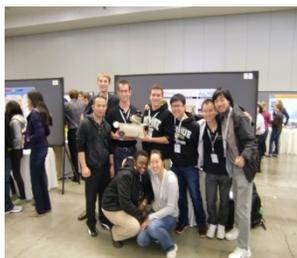
Committee Name	Projected Expense (per academic year)	Items
<a href="#">Chem-E-Car</a>	\$2,000	Chemicals, Lab equipment, Electronic components, General supplies.
<a href="#">Communications</a>	\$1,000	Printing costs (newsletters/flyers/pamphlets), Website maintenance, Social events to draw in membership, General office supplies.
<a href="#">Finance</a>	\$100	Printing costs, General office supplies.
<a href="#">Grand Prix</a>	\$8,500	\$3,500 for Grand Prix, \$5,000 for evGrandPrix.
<a href="#">Industrial Relations/ Professional Development</a>	\$2,600	\$2,400 Monthly Meeting (\$300×8), \$200 Resume Review, Fall Industrial Banquet, Spring Networking Night, Plant Tour.
<a href="#">Officers</a>	\$11,620	\$ 1,000 Callout (\$500×2), \$320 Committee Member Meetings (\$20×16), \$10,000 National & Regional Conference, \$300 Election.
<a href="#">Philanthropy</a>	\$500	Transportation, Material costs.
<a href="#">Social Athletics</a>	\$500	Intramural registration, Social events costs.
<a href="#">Student/Faculty Relations</a>	\$3,900	\$2,400 Student/Faculty Luncheons (\$600×4), \$1,500 “Pubbin’ with Professors” (\$250×6).
<b>Expected Total</b>	<b>\$30,720.00</b>	



### Chem-E-Car

Chem-E-Car is a small car (about the size of a shoebox) that is powered by chemical reactions within size constraints. The Chem-E-Car competition is one of the largest events for collegiate AIChE members and its notoriety has increased greatly over the past few years. Each collegiate AIChE chapter can participate in one of nine regional competitions held at chemical engineering schools across America. The winners of these regional competitions become automatic qualifiers to compete in the national competition finals that are held in connection with AIChE's Annual Meeting and National Student Conference in the fall of each year.

At Purdue University's chapter of Chem-E-Car, we have been one of the top Chem-E-Car team across the nation. We have consistently been placing among the top participating universities in the Nation. The Chem-E-Car team placed 2<sup>nd</sup> in the 2012 North Central Regional Chem-E-Car Competition and placed 7<sup>th</sup> in the 2012 Nationals Chem-E-Car competition out of the top 35 teams participating across the nation. Due to the recent success in the regional qualifier, Purdue Chem-E-Car team is going to participate in the 2013 Nationals Chem-E-Car competition which will be held in San Francisco on November 1-4, 2013.



The team has designed and built a pneumatic car that is powered by a sodium bicarbonate and acetic acid reacting to produce carbon dioxide in a pressure vessel. There is no stopping mechanism, the reaction vessel is charged so that it runs out of fuel and comes to a stop at the desired distance. This upcoming semester's work will consist of further improving the existing car for the National Conference and also beginning designs for a second car. The Chem-E-Car team is actively seeking for sponsorship in order to maintain their excellent performance.

Contact: Henka Darsono (hdarsono@purdue.edu)

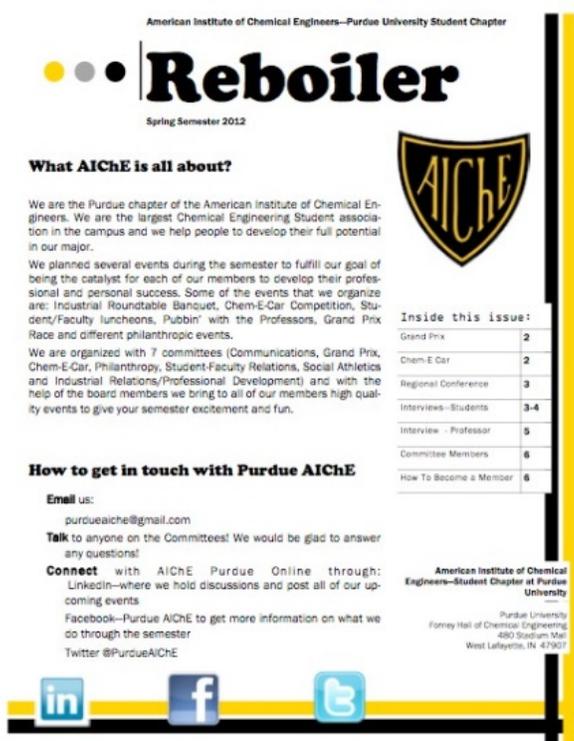
Anticipated Cost: \$14,000 per academic year (chemicals, lab equipment, electronic components, general supplies and travel cost)



## Communications

The committee's main goal is to increase student membership, engage chemical engineering students to participate in various AICHE events

and spread the word of what's happening within AICHE. The committee utilizes different forms of communication including —The ReBoiler (newsletter every semester), flyers, the Purdue AICHE website, and Facebook.



Previous cover page

of "The Reboiler"

Contact: Kevin Sommer (sommerk@purdue.edu)

Anticipated Cost: \$1000 per academic year (printing costs for newsletters/flyers/pamphlets, website maintenance, social events to draw in membership and general office supplies)

\*To request a version of the latest Reboiler, email [sommerk@purdue.edu](mailto:sommerk@purdue.edu).



## Finance

Finance duties include reporting changes in the organization balance and subsequent reimbursement needs to the Business Office for Student Organizations (BOSO), ensuring committees are operating under the determined budget and facilitating various organizations with respect to financial concerns.

Contact: Eric Lemmel ([elemmel@purdue.edu](mailto:elemmel@purdue.edu))

Anticipated Cost: \$100 per academic year (printing costs and general office supplies)



### Grand Prix

Grand Prix Committee's main focus is on the Purdue Grand Prix Race. The Grand Prix is a one hundred and sixty lap go kart race. The karts represent various Purdue student clubs, Greek organizations, and private teams. This year, our team placed 14th at the qualifying race out of more than 30 cars. In the final race, the team placed 13th. At one point (in lap 116), our driver actually ran the second fastest lap time ever recorded in the grand prix race at 25.97 seconds. The team is under great leadership and is determined to build a new car. The team has already set the goal to place among the top five carts next year. Meanwhile, with the increasing

emphasis on innovative approaches to developing the next generation of automobiles—powered by electricity, Purdue AIChE has partnered with Chemical Engineering Sustainability Initiative (CSI) this year to create an Electric Vehicle Grand Prix car and participate in evGrandPrix. We are actively looking for sponsorship for our Grand Prix Committee, including both Purdue

Grand Prix and evGrandPrix. Together with CSI, we will not only have one of the best internal combustion cars but also a —green electric vehicle to prove our worth. With both cars, we hope to have the best racing year ever!



2011-2012 Grand Prix car

Contact: Henka Darsono (hdarsono@purdue.edu)

Anticipated Cost: \$8500 per academic year (\$3500 for Grand Prix and \$5000 for evGrandPrix)



### Industrial Relations/Professional Development

This committee's goal is to reach out and build relationships with new companies while securing relationships with companies that currently support Purdue AIChE. The committee works to maximize interactions between industry and our program throughout the year to ensure that students have opportunities available to learn about chemical engineering in application, as well as meet engineers in the field. Some of the projects that the committee works on include the Fall Industrial Banquet, resume critiques and company information sessions. This year, the committee is planning on expanding its events with a spring networking night and plant tours.

**Fall Industrial Banquet** —this year is our 18th Annual Industrial Banquet, which is held right before Purdue's Industrial Roundtable. We invite companies' representatives to enjoy dinner with students, present their companies and network with students. The student attendance for the banquet is about 60 students every year and we are expecting the attendance to increase for this year. We are actively looking for new companies who are interested in taking advantage of this opportunity. \$350 registration fee is required per company which is due before the event and each company is limited to three representatives. The company must also send a one-page summary of the company information/goals 2 weeks before the event to be included in a booklet given to attending students.

**Monthly Meeting / Company Information Session** — the new executive board is also planning on having monthly meetings where members can enjoy dinner, get updated on upcoming events, and develop professional skills. We are actively looking for companies who would be willing to send representatives to speak at these events, meet with Purdue chemical engineering students, and sponsor the meetings (food costs). Speakers are welcome to provide company information or touch on successful career tips, ranging from leadership to interview skills. The expected attendance is 50-100 people. If interested, please email Austin Tackaberry at [atackabe@purdue.edu](mailto:atackabe@purdue.edu) as soon as possible to begin scheduling a date.

**Plant Tour**—we are looking for local companies who are interested in organizing plant tours for AIChE members to learn about different industries. We were given the opportunity to visit the Valero plant this past year with 15 AIChE members getting a unique view from the inside of a chemical plant, giving students a better mental image for the problems that we encounter on a day-to-day basis.

**Resume Review**—we work with the industrial director Professor Linda Davis on holding a resume review workshop one week before Industrial Roundtable and EXPO Job Fair. This is extremely beneficial for helping fix-up resumes and preparing students right in time for different job fairs.

Contact: Austin Tackaberry ([atackabe@purdue.edu](mailto:atackabe@purdue.edu))

Anticipated Costs:

- Fall Industrial Banquet—\$ 350 registration fee
- Monthly Meeting/Company Information Session—\$2400 per academic year (\$300×8 meetings)
- Resume Review—\$200 per academic year (general supplies)



### Officers

There are five officers in AIChE including the President, Internal Vice President, External Vice President, Treasurer, and Secretary. The officers' goal is to guide different committees in the realization of their respective goals. Besides that, officers organize general committee member meetings, callouts, National/Regional Conference. The officers also stay connected with different university organizations in coordinating events, allocating resources and strategic planning.

Fall/Spring Callout—Purdue AIChE organizes one callout every semester. Typically, the attendance for our callouts is approximately 200 people. Besides the main callouts, the officers have planned to host an ice cream social to encourage students to sign up for AIChE membership. This will be especially beneficial in drawing in sophomore support.

Committee Member Meeting—Purdue AIChE hosts a committee member meeting every other week where each committee updates the rest of the board on their current progress and discusses/plans upcoming events.

National/Regional Conference—Purdue AIChE participates in the AIChE National and Regional conference every year. Typically, ten students (including officers and some Chem-E-Car team members) will attend the National Conference where they connect with other student chapters, as well as professional AIChE members, and gather new ideas for our chapter. Typically, fifteen students will be sent to the Regional Conference each year where the main focus is to participate in the regional Chem-E-Car competition and poster competition.

Election—Purdue AIChE elections are held in April. The officers are reassigned every academic year.

Contact: Austin Tackaberry (atackabe@purdue.edu)

Anticipated Cost:

- Callouts—\$ 1,000 per academic year (one each semester – covers food and printing costs)
- Committee Member Meetings—\$320 per academic year (\$20×16 meetings for snacks, general office supplies, etc.)
- National/Regional Conference—\$10,000 per academic year (\$5000 each for registration, transportation and lodging)
- Election—\$300 per academic year (food costs)

\*\*Total: \$11,620 per academic year.



### Philanthropy

This committee's goal is to participate in local events, as well as Purdue events, that aid in bettering the community. This year we participated in — Boo at the Zoo — held at the Columbian Park Zoo in Lafayette, which is an event for entertaining local elementary school children on Halloween in a safe and fun environment for the entire family. We also participated in Purdue Winterization which is an annual yard-cleaning event held in Lafayette. Additionally, we held our first annual "Dead Week" Food Drive, with boxes set up giving students a chance to donate any canned goods to the Food Finders Food Bank in Lafayette. We also organized multiple fundraising events. A bake sale as well as Qdoba and Panda Express Skip-a-Meals were used to raise money for Relay for Life, with the benefits going towards American Cancer Society. Besides fundraising events, we also work closely with the Indiana Blood

Center to host blood drives, Purdue's Dance Marathon and many other various organizations.



Our Annual Blood Drive

Contact: Peter Bocek (bocek@purdue.edu)

Anticipated Cost: \$500 per academic year (transportation and material costs for fundraisers)



## Social Athletics

The Social Athletic committee works on creating intramural sports teams and other social outings for students to participate. This creates a fun atmosphere where AIChE members can socialize with peers, faculties and graduate students. This year, the committee sponsored an AIChE soccer tournament for those with varying levels of soccer experience. A total of six teams entered consisting of 27 undergraduate students competing in a friendly competition outside of the classroom setting. The committee also put on a hot chocolate pong event to help ease the stress of school with a competitive competition. We have high expectations for this growing committee which is planning on organizing more events such as bowling, ice-skating during the winter, ultimate Frisbee matches, a dodgeball tournament and starting the legacy of an annual undergraduates vs. graduates vs. professors volleyball tournament.



Soccer Tournament Victors (Third, First, and Second place pictured from left to right)

Contact: Andrew Werling ([awerlin@purdue.edu](mailto:awerlin@purdue.edu))

Anticipated Cost: \$500 per academic year (intramural registration and social events costs)



## Student Faculty Relations

The Student/Faculty Relations Committee puts on events that allow professors and students to join together to socialize outside of Forney Hall. It is a great way for students to connect with faculty members in an informal setting, thus promoting bonding so that the students feel more comfortable talking with or asking questions to the professors. Some of the conversations between students and the faculty focused on research and past careers, thus helping students choose what field they want to continue into. We aim to organize two Student/Faculty Luncheons at Forney every semester as well as three Pubbin' with Professor events every semester which usually take place at a local bar or pub.



The atrium filled with content students/faculty and delicious smells after hosting a luncheon.



Conversing with professors during a Student-Faculty Social.

Contact: Peter Bocek ([pbocek@purdue.edu](mailto:pbocek@purdue.edu))

Anticipated Cost: \$3900 per academic year (\$600×4 Student/Faculty Luncheons, \$250×6 Student Faculty Social events)



## Supporting AIChE

### Sponsorship Level

#### Monetary Support Options

There are three ways that companies can give monetary support to Purdue AIChE:

- Sponsor a specific committee or committees
- General donations to be used for activities at Purdue AIChE's discretion
- Become Purdue AIChE sponsors at the silver, gold, or platinum levels

#### Gold Level Sponsor

Companies making a general donation of \$500 or more to Purdue AIChE are considered silver sponsors. These funds will be used to support our general operation needs, including the Reboiler newsletter, general committee member meeting, social athletics and philanthropy events. Companies will receive recognition in the Reboiler newsletter and on the Purdue AIChE website, as well as events (if applicable).

#### Diamond Level Sponsor

Companies making a general donation of \$1500 or more to Purdue AIChE are considered gold sponsors. The money will be used to support Purdue AIChE's membership vitality and retention initiatives, as well as teaming initiatives, including callouts, social activities, publicity, and executive board operations. Companies contributing at this level receive all silver level benefits, as well as priority to speak at a monthly meeting if desired.

#### Platinum Level Sponsor

Companies making a general donation of \$3000 or more to Purdue AIChE are considered platinum sponsors. These funds will be used to support trips to National and Regional AIChE conferences as well as Industrial Relations/Professional Development Initiatives and Student & Faculty Relations. Sponsors at this level receive all benefits of silver and gold sponsorship, posters/signs to advertise the company at various AIChE events well as priority to speak at a monthly meeting if desired.



## Activity Summary & Corporate Support Guide

### Sponsorship Interest Sheet

If you are interested in becoming involved with Purdue AIChE, please complete the form and mail or email it to us.

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Email : \_\_\_\_\_

Phone : \_\_\_\_\_

If you are interested in sponsoring one or more committees or activities, please indicate which you are interested in below with a “✓”:

<input type="checkbox"/>	Chem-E-Car	<input type="checkbox"/>	Monthly Meeting/Info Session
<input type="checkbox"/>	Fall Industrial Banquet	<input type="checkbox"/>	Industrial Relations Professional Development
<input type="checkbox"/>	Spring Networking Night	<input type="checkbox"/>	National Conference
<input type="checkbox"/>	Communications	<input type="checkbox"/>	Regional Conference
<input type="checkbox"/>	Grand Prix	<input type="checkbox"/>	General Office Supplies
<input type="checkbox"/>	Fall/Spring Callouts	<input type="checkbox"/>	Social Athletics

If you are interested in making a general donation to be used at discretion, please indicate here:

\_\_\_\_\_  
\_\_\_\_\_

If you are interested in becoming a Purdue AIChE gold, diamond, or platinum level sponsor, please indicate here with a “✓”:

Silver Level  Gold Level  Platinum Level

If you are interested in providing non-financial support to Purdue AIChE, please indicate below:

\_\_\_\_\_

If you are interested in more information about any of the events described in this booklet, or any other Purdue AIChE activities, please contact us:

Email: [atackabe@purdue.edu](mailto:atackabe@purdue.edu)