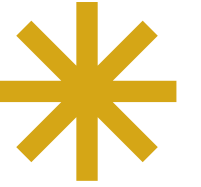






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## OUR PROGRAMS

### COOPERATIVE EDUCATION

Cooperative Education (Co-Op) programs offer numerous benefits for students looking to gain real-world experience before they graduate. Participants choose between three-session or five-session models and will gain approximately 12-20 months of professional experience while alternating between semesters on campus taking classes and working with their professional practice employer. In our traditional Co-Op programs, all three or five work sessions are spent with the same employer, which allows for a strong relationship to build between the student and employer. As a result, students are able to work on longer, more important projects and are able to take on increasing responsible and diverse roles in their work sessions. This also allows students to experience multiple areas of a company's operation.

Students earn a significant and competitive salary while working. Many Co-Op students are offered interviews or full-time positions with their host employer upon graduation.

#### FLEX CO-OP

With Flex Co-Op, students and employers commit to 2 work sessions, then either have the option to keep going for 1-3 additional terms, or can start a work session rotation with a new student/ employer for a minimum of 2-3 terms. What brought about this change? The demand for greater flexibility has led universities and employers nationwide to adopt the "flex" concept.

#### PARALLEL CO-OP

The Parallel Co-Op Program permits students to work part-time (up to 29 hours per week) during the academic year at local operations with a reduced academic load and full-time during summer terms at any location for a Co-Op employer. Parallel Co-Op provides an opportunity for students to avail themselves of academically relevant work experience by providing an income stream that more closely matches their flow of expenses.



#### MASTER'S CO-OP

The Master's Co-Op program is a two-year MS-level Cooperative Education program in which the students will receive an MS degree based on their chosen discipline and a Cooperative Education certificate. By providing a work integrated learning program, the students who graduate from this program will not only meet all MS degree requirements, but will also have graduate-level industrial experience within a profession of their choice. Variation of this program may be offered at the PhD level.

### GLOBAL ENGINEERING ALLIANCE FOR RESEARCH AND EDUCATION (GEARE)

GEARE is Purdue's premiere global professional training program. The program is currently available to students from all engineering disciplines and computer science. GEARE students enhance their global competency by completing language study, one semester of study abroad, a minimum of one domestic internship, a minimum of one global internship, three one-semester cultural training seminars, and a minimum of one global design team project.

The Office of Professional Practice develops relationships with world-renowned university partners and global industry partners interested in developing future employees with top of the line technical and global skills. The Office of Professional Practice has strong partnerships with universities and global employers operating in the U.S., China, Colombia, France, Germany, Mexico, Singapore, and Spain. New programs are being established in Brazil, Ecuador, India, Italy, Japan, South Korea, and Sweden.



#### GLOBAL RESEARCH

Global research experiences provided by the Office of Professional Practice allow students to work on innovative projects at some of the world's leading research institutions. Students will gain valuable practical experience and enhance their global competencies through work in an international setting. Students will earn credit transferable to their Purdue degrees.

#### STUDY ABROAD

Professional Practice Study Abroad programs offer students an opportunity to gain an understanding of their profession in another country. The programs target first-year students. They provide a brief taste of what it would be like to work in another country and encourage students to pursue a longer-term global professional experience, such as GEARE, later in their academic career.

#### INTERNSHIP PROGRAMS

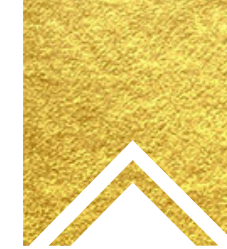
Internships are an excellent alternative to Co-Op programs for students looking to work for multiple employers. These programs offer more flexibility than Co-Op programs but with shorter work sessions. Unlike Co-Op sessions, internships are typically only one term. Internships provide crucial professional experience that helps students stand out from their peers, thus more likely to find a job after graduation.

Internships that require registration for academic or immigration reasons are administered by the Office of Professional Practice.

### INTERNS FOR INDIANA (IFI)

The Interns for Indiana program connects entrepreneurially-minded Purdue University students to Indiana startup and second-stage companies in order to promote economic development, enhance student success, and provide professional opportunities to high performing students. Students can work either during a Fall or Spring semester up to 12 hours a week in addition to their class schedule, or during the Summer up to 40 hours a week.





## 2018 *Cooperative Education Hall of Fame*



Launched in 2010, the Cooperative Education Hall of Fame is an annual celebration honoring academic leaders who have made significant contributions to Purdue's Co-Op program or those alumni who have achieved excellence in their careers after participating in cooperative education during their time at Purdue. In essence, this event provides a lens through which current and future students can view the power of Co-Op as a means of drawing the map for their future success. Previous inductees have included executives, politicians, lawyers, high-ranking technical experts and Purdue faculty with a passion for experiential learning. The 2018 class of inductees, as featured, were no exception to these high standards set before them.

This year's Hall of Fame was held on September 14, 2018 at the Purdue Memorial Union. The event featured opening remarks from Director of OPP Eric Nauman, special remarks from Mung Chiang the John A. Edwardson Dean of the College of Engineering, an update from Professional Practice Ambassadors' President Mary Lipari, and a formal induction ceremony.



**PAUL AMICO** received his Bachelor's degree in Civil Engineering from Purdue University. While attending Purdue, Amico completed a 5-Session Co-Op with Montgomery Watson, now Stantec. In 1996 he started at PDR Engineers, now renamed Tetra Tech. Since then, he has worked for several different consulting engineering firms delivering water infrastructure projects for municipal clients. Amico is currently with Carollo Engineers in Fresno, California. In his role, he splits his time between delivering water, wastewater, and storm water master planning, design, and construction projects throughout California, and supporting Carollo's Utility Advisory Services group nationally.



**GEOFFREY CUBITT** received his Bachelor's degree in Industrial Engineering from Purdue University, and his Master's degree in Industrial Engineering from Stanford University. After completing 7 Co-Op rotations at Hughes Space and Communications (HSC), he then continued to work at HSC as a key member of the Information Systems architecture team. This team's work led to HSC being ranked in Computer World's "Fabulous 5" Client/Server Companies in 1995. Geoff was a founder of pioneering digital agency Roundarch, which became Isobar US in 2012.



**THOMAS BEUTNER** received his Bachelor's degree in Aeronautical and Astronautical Engineering (AAE) from Purdue University, and Master's and Doctorate degree in AAE from Stanford University. He completed 4 Co-Op rotations at General Dynamics in Fort Worth, Texas. In 1999, he became a program manager at the Air Force Office of Scientific Research. He later became a program manager at the Defense Advanced Research Projects Agency (DARPA). In 2010, he entered the Senior Executive Service, in which he served as the Director of Aerospace Sciences, and later as the Department Head for Air Warfare and Weapons at the Office of Naval Research. In 2018, he returned to DARPA as the Deputy Director of the Tactical Technology Office. Dr. Beutner was recognized as an Outstanding Aerospace Engineering Alumni from the Purdue School of Aeronautics and Astronautics in 2007, and as a Distinguished Engineering Alumni by the College of Engineering in 2018.

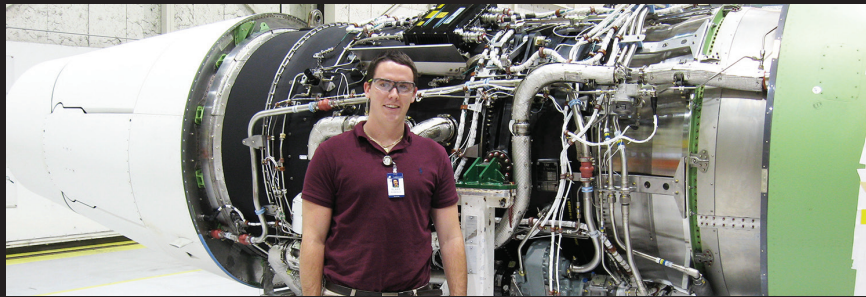


**ECKHARD GROLL** is a Reilly Professor of Mechanical Engineering and was recently named head of Purdue Mechanical Engineering. He received his diploma in Mechanical Engineering from the University of Ruhr and his Doctorate from the University of Hannover. He served as the Interim Director of Purdue's Office of Professional Practice (OPP) in 2017 and as the Director from 2008-2018. He was responsible for growing the 3-session Co-Op program to the largest Co-Op program on campus. He also introduced the Master's Co-Op and facilitated the move of the Interns for Indiana (IFI) program to OPP. During his time, he grew the program from 650 students in 2006-2007 to approximately 1300 students during the 2017-2018 academic year.





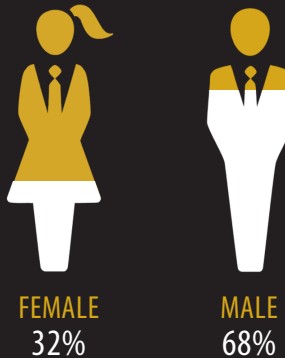
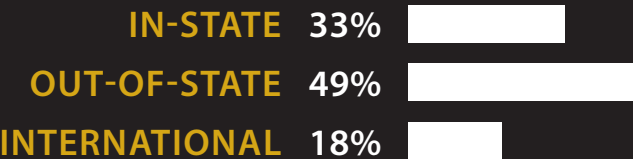
# STUDENT & EMPLOYER STATISTICS



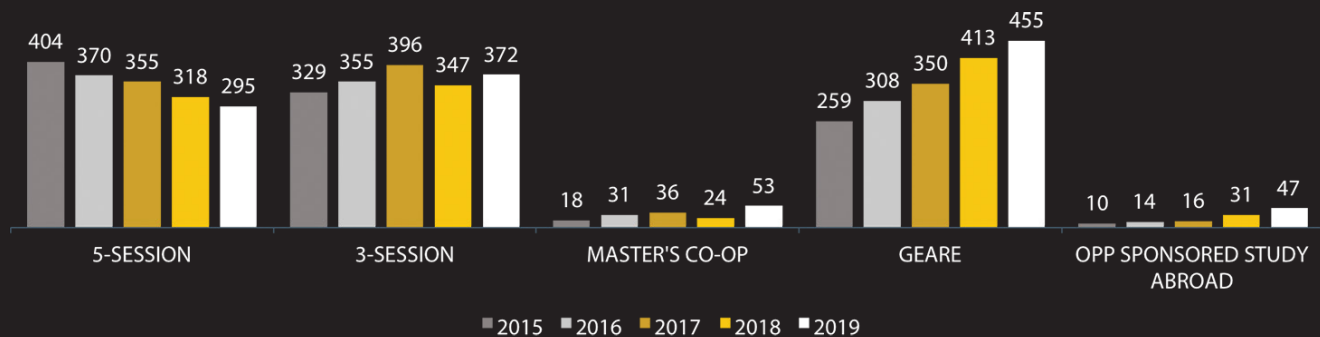
## TOTAL PROFESSIONAL PRACTICE STUDENT ENROLLMENT (INCLUDES INTERNSHIPS THAT REQUIRE REGISTRATION AND ARE ADMINISTERED BY OPP)



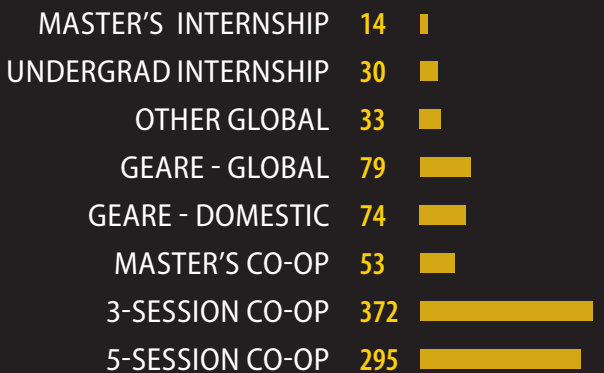
## PROFESSIONAL PRACTICE STUDENTS 2018-2019 ACADEMIC YEAR



## ACTIVE STUDENTS BY PROGRAM



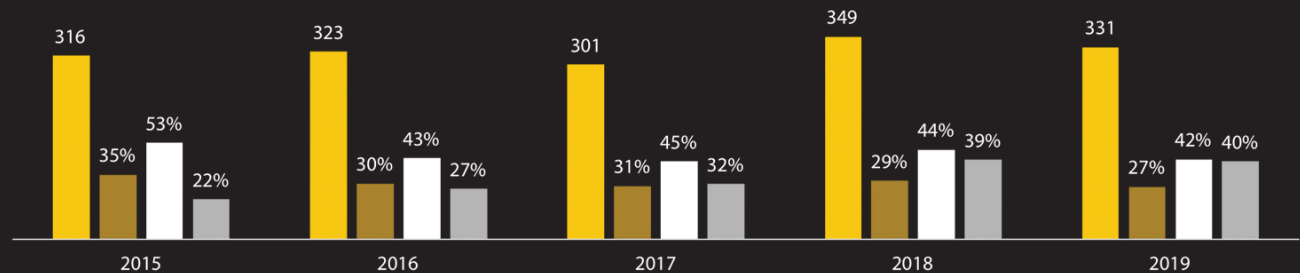
## TOTAL WORK SESSIONS 2018-2019 ACADEMIC YEAR



## PROFESSIONAL PRACTICE EMPLOYERS PROVIDING OPPORTUNITIES BY LOCATION

■ Total Current Employers\* ■ Outside Indiana ■ Global

\* Total Current Employers = Number of unique employers who recruited and/or hired within last 5 years.



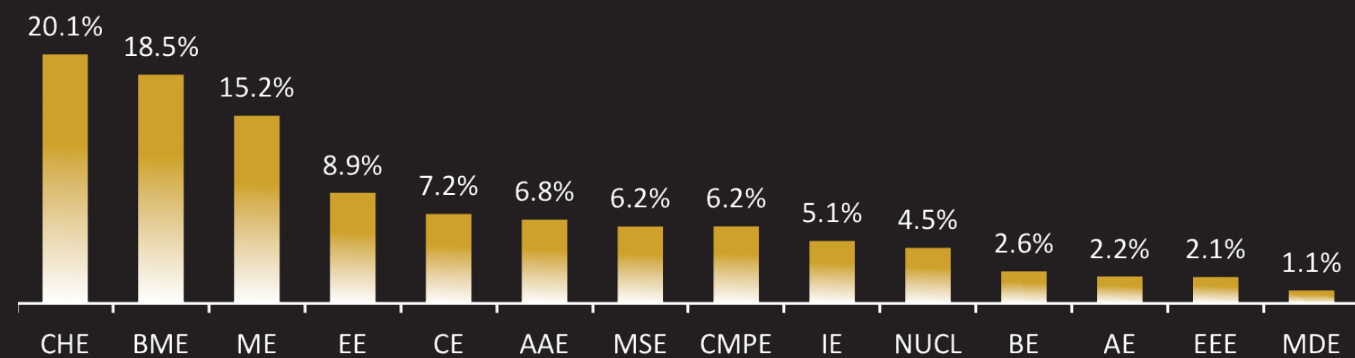
Some employers provide opportunities in multiple locations, thus percentages shown may exceed 100.



# ENGINEERING PARTICIPATION



## PERCENTAGE OF ENGINEERING DISCIPLINES ENROLLED IN CO-OP 2018-2019 ACADEMIC YEAR

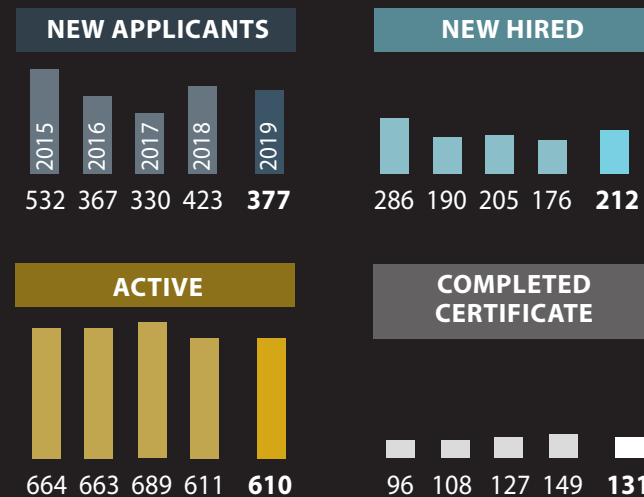


## ENGINEERING STUDENTS BY DISCIPLINE 2018-2019 ACADEMIC YEAR

ME	183	30%
CHE	112	18%
EE	60	10%
AAE	52	9%
BME	52	9%
CMPE	48	8%
IE	39	6%
CE	38	6%
OTHER*	31	5%

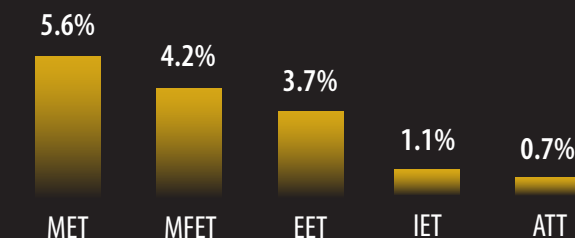
\*Other Disciplines: MSE — 2%, NUCL — 1%, BE — 1%, EEE — 0.4%, AE — 0.3%, MDE — 0.3%

## ENGINEERING STUDENTS BY STATUS 2015-2019 ACADEMIC YEAR

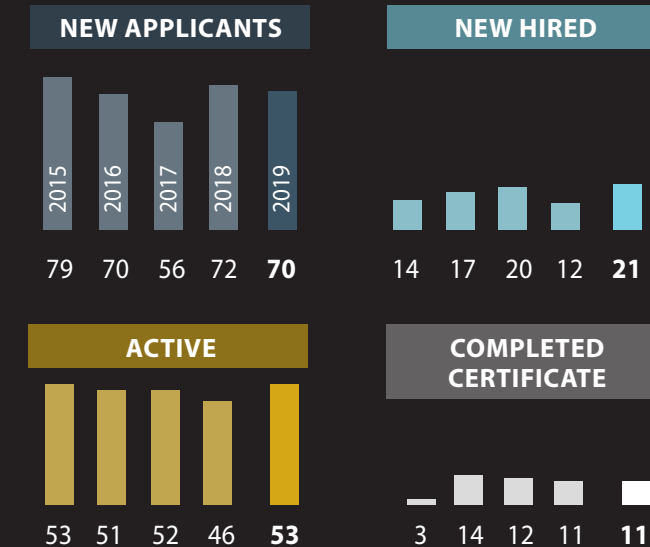


# POLYTECHNIC PARTICIPATION

## PERCENTAGE OF POLYTECHNIC DISCIPLINES ENROLLED IN CO-OP 2018-2019 ACADEMIC YEAR



## POLYTECHNIC STUDENTS BY STATUS 2015-2019 ACADEMIC YEAR

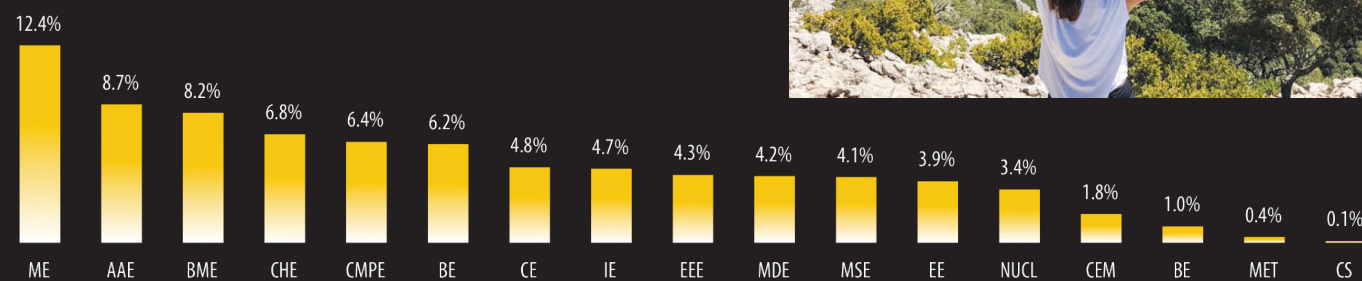


## POLYTECHNIC STUDENTS BY DISCIPLINES 2018-2019 ACADEMIC YEAR

MET	EET	MFET	ATT	IET
30, 57%	9, 17%	7, 13%	5, 9%	2, 4%

# GEARE PARTICIPATION

## PERCENTAGE OF DISCIPLINES ENROLLED IN GEARE 2018-2019 ACADEMIC YEAR



## GEARE STUDENTS BY DISCIPLINE 2018-2019 ACADEMIC YEAR

ME	150	33%	IE	36	8%	BE	12	2%
AAE	67	15%	EE	26	5%	OTHER*	29	8%
CMPE	49	11%	CE	25	5%			
CHE	38	8%	BME	23	5%			

\*Other Disciplines: MSE — 2%, NUCL — 1%, BE — 1%, EEE — 0.4%, AE — 0.3%, MDE — 0.3%



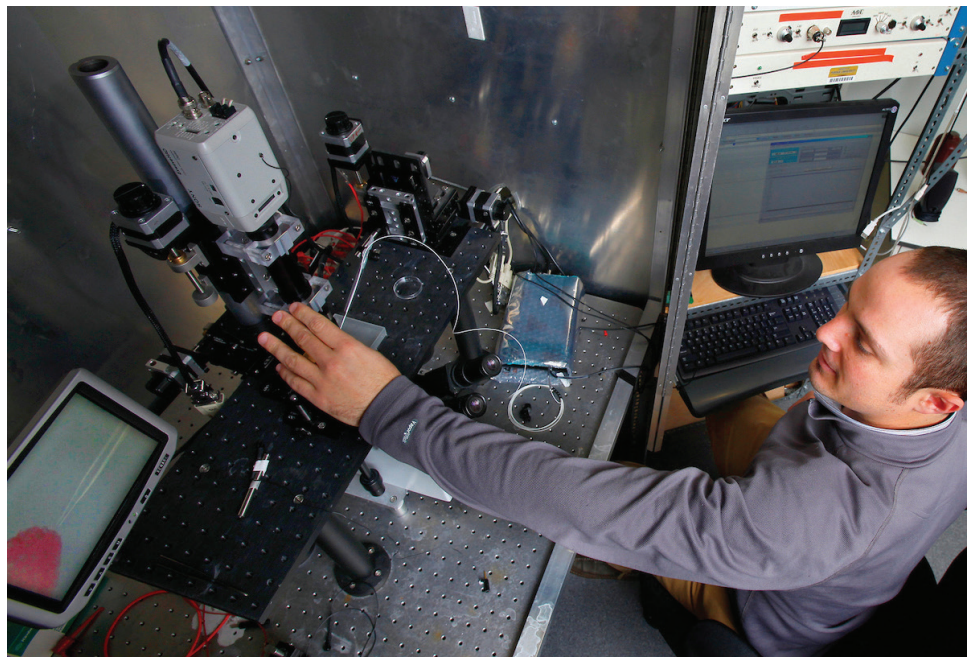
# INTRODUCING MILESTONES

## Milestones mark progress along a path.

Invented by Roman engineers and first used along the Appian Way, they provided both standards of measure and motivated travelers towards their destinations. The Purdue Milestones program is designed to provide students with particular skills – outside of the normal curriculum that will enhance their experiences in class, clubs, co-ops, internships, and while doing research in laboratories. The curriculum is flexible and will evolve with input from our corporate and industrial partners, researcher groups, national laboratories, and the National Academies.

Initially, this program will be advertised to students in Engineering Honors, OPP, WIEP, MEP, and VIP, but will ultimately be available to the university as a whole.

We anticipate that each Milestone will consist of two or three sessions, each one lasting 2-3 hours and they will be documented with electronic microcertifications. While the Milestones do not have to be completed in a specific order, they group into families of skills related to specific disciplines.



## FAMILY 1 PROTOTYPING AND MANUFACTURING

- ◆ **Milestone 1**  
Introduction to Computer-Aided Drafting (CAD) using Autodesk Fusion and 3D printing. Each student will design and 3D print three components designed to demonstrate the issues that students should be aware of when using 3D printers.
- ◆ **Milestone 2**  
Basic machining techniques using the bandsaw, mill, and lathe. These skills are important for students to understand so that they can prototype components safely and develop an understanding for the challenges associated with using machine tools.
- ◆ **Milestone 3**  
The three fundamental techniques for fabricating composites. These include wet layups, vacuum assisted resin transfer molding (VARTM), and prepregated carbon fiber.
- ◆ **Milestone 4**  
Introduction to Finite Element Analysis with a particular focus on how to ensure that the simulations are robust (convergence studies, analysis of boundary conditions, and choice of element type).

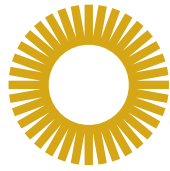
## FAMILY 2 ELECTRONICS AND APP DEVELOPMENT

- ◆ **Milestone 5**  
Basics of electronic fabrication including soldering, PCB layout, and testing.
- ◆ **Milestone 6**  
Introduction to collecting data and driving motors with Arduinos. We begin with an introduction to microcontrollers and then build simple programs to take in data, store it, or act on it.
- ◆ **Milestone 7**  
Introduction to programming in Python and the Raspberry Pi. The goal of this Milestone is to ensure that students are familiar with Python, can transfer files to the Raspberry Pi, and perform higher level controls.
- ◆ **Milestone 8**  
Introduction to computer-based App development.
- ◆ **Milestone 9**  
"Sensor Fusion," also known as the integration of Raspberry Pi with Arduino-based sensors and actuators.

## Additional Milestones and Classes that are in Development

- ◆ **Class**  
Design of an autonomous water vehicle which will integrate most of the aforementioned Milestones. The goal is to have students design, build, and program a custom drone to travel to a specific location in the water and take a sample for testing.
- ◆ **Milestone**  
Statistics and Interpretation of Reported Data.
- ◆ **Milestone**  
Pipe System Safety and Design.





# OPP CORPORATE STEWARDSHIP

Purdue University has a long and distinguished history of partnering with industrial and governmental organizations to provide undergraduate students with practical training to enhance their educational experiences. One aspect of these partnerships is Corporate Sponsorship. The Office of Professional Practice relies on our corporate sponsors to provide the best experience to all students participating in the Professional Practice Programs. We are very grateful for corporate gifts received for the 2018-2019 academic year and would like to share with you how these gifts have been utilized.

When determining the best use of corporate gifts, we reflect on our department Mission Statement (below) and the aspect of enhanced employer engagement. The generosity of our corporate partners greatly impacts many students' ability to participate in our programs and enables OPP to provide exceptional service to both students and employers.

## OPP MISSION STATEMENT

To facilitate the experiential education and professional practice of Purdue University students within the academic environments of the institution and its global partners; to participate in academic research within the field of Professional Practice and to assist the academic units with **enhanced employer engagement**.

## USAGE OF CORPORATE GIFTS 2018-2019 ACADEMIC YEAR

### Employer Related Workshops and Events

PPA Networking Night providing face to face interaction in a relaxed setting between employers and students

GEARE Industry Night allowing students to meet with companies with global opportunities

Co-Op Opportunities for Freshmen event that highlights the value of Co-Op to first year students

### Technology Improvements

Simplified registration through the new Simplicity database system that will be available for the 2020 Professional Practice Days registration



### GEARE Students

Approximately 50% of our corporate funds are designated for use with GEARE students

Travel expenses in the form of scholarships and grants

### Student Groups

Helps fund the Professional Practice Ambassadors and GEARE Ambassadors student groups with professional development opportunities and social events

### Engagement Opportunities

Travel expenses for staff to engage with OPP students and employers at the employer's location

### Future

Staff development and focus on areas to grow in our service through feedback from employers and students

# PROFESSIONAL PRACTICE PARTNERS PROGRAM



## SPONSORSHIP BENEFITS

	BLACK LEVEL \$2,500	GOLD LEVEL \$5,000	PLATINUM LEVEL \$10,000
1 Advertising on LCD screens located in Potter Engineering Center	★	★	★
2 Logo placement on the OPP Website and at conferences and events with OPP representation	★	★	★
3 Invitations to participate in Professional Practice and GEARE Industrial Advisory Committee Meetings and Employer Seminars	★	★	★
4 Invitation to promote brand awareness (Speaking at Opportunities for Freshmen Event, ENGR 103 Classroom Visit, Program Callouts)	★	★	★
5 Preferred placement at events sponsored by the Office of Professional Practice	★	★	★
6 Registration for 2 free tables to be utilized during Professional Practice Career Fair and/or PPD Interview event	★	★	★
7 Guaranteed invitation to attend Annual Networking event with Co-op Students	★	★	★
8 Annual Networking event with GEARE students	★	★	★
9 Employer-sponsored seminar or workshop to be coordinated on campus or via video conference any time of year. OPP will assist in arranging space or technology and will invite students		★	★
10 Registration for 2 additional free tables (4 total) to be utilized during the Professional Practice Career Fair and/or PPD Interview event		★	★
11 Access to resume booklets for graduating Co-Op and GEARE students		★	★
12 Registration for unlimited free tables during Professional Practice Career Fair and PPD Interview event			★
13 Full day campus branding event. OPP will assist in arranging space or technology and will invite students			★
14 Enhanced company branding on campus (feature video)			★
15 Involvement within the Professional Practice Milestones Program			★

The Office of Professional Practice aids in producing graduates who are job ready, career ready, and world ready. Therefore, our experience-driven graduates are especially lucrative hires in both the public and private sector.

**Are you interested in recruiting these excellent candidates? Become a Professional Practice Partner today!**





## THANK YOU TO OUR PROFESSIONAL PRACTICE PARTNERS



DAIMLER



**EASTMAN**  
FOUNDATION

*Good for Good*



**ExxonMobil**

**MINIAT** |   
The Miniatur Family of Companies



Endress+Hauser 

**GENERAC**



**Daimler** is one of the biggest producers of premium cars and the world's biggest manufacturer of commercial vehicles with a global reach. They provide financing, leasing, fleet management, insurance and innovative mobility services.

**Eastman Foundation** is a global specialty materials company that produces a broad range of advanced materials, additives and functional products, specialty chemicals, and fibers that are found in products people use every day.

**Gulfstream** produces the world's most advanced business aircraft, with innovations from nose to tail and wingtip to wingtip, all while offering unmatched global product support and service.

**Eli Lilly** is a prominent pharmaceutical company with headquarters in Indianapolis, Indiana. They have been apart of many milestones in medical history such as being one of the first companies to mass produce the polio vaccine.

**ZF Group** is a global technology company that supplies systems for passenger cars, commercial vehicles and industrial technology. With its broad portfolio, the company offers integrated solutions for established vehicle manufacturers, mobility providers and start-up companies in the fields of transportation and mobility.

**Air Products** - With approximately 16,000 employees and operations in 50 countries, Air Products serves customers across a wide range of industries, from food and beverage to medical, energy and transportation. They also supply a unique portfolio of atmospheric and process gases, equipment, and service.

**GE Aviation** is a world-leading provider of business, military, and commercial jet engines, components and integrated systems for commercial and military aircraft. GE Aviation has a global service network to support these offerings.

**General Motors** - From electric cars to heavy-duty full-size trucks, General Motors provides a complete range of vehicles that meets the needs and expectations of drivers on a truly global scale. GM is the only company with a fully integrated solution to produce self-driving vehicles at scale and are committed to an all-electric future.

**Exxon Mobil** operates in most of the world's countries and is best known by their familiar brand names: Exxon, Esso, ExxonMobil and Mobil. They make the products that drive modern transportation, power cities, lubricate industry, and provide petrochemical building blocks that lead to thousands of consumer goods.

**Ed Miniat** produces custom-formulated, sous vide-cooked beef, pork, chicken, and turkey for global food brands and national restaurant chains. Award-winning chefs, meat scientists, and experienced sales team will partner with you to find the ideal solution for your needs.

**Meritor** is a leading global supplier of drivetrain, mobility, braking and aftermarket solutions for commercial vehicle and industrial markets. They produce parts for military suppliers, trucks and trailers.



**CEC Controls** specializes in the design, build and startup of industrial and process controls systems. CEC Controls also provides maintenance-monitoring systems fully equipped with fault alarms and production report generation capabilities.

**John Deere** - John Deere is best known for quality agricultural and turf equipment. They're the world's leading manufacturer of farm equipment and take the lead worldwide in building forestry equipment. They are also a major force in construction equipment.

**Cummins Inc.** designs, manufactures, sells and services diesel and alternative fuel engines from 2.8 to 95 liters, diesel and alternative-fueled electrical generator sets from 2.5 to 3,500 kW, as well as related components and technology.

**Kimberly-Clark** has some of the most recognized brands in the world. Their brands hold the No. 1 or No. 2 shared position in 80 countries, and have five billion-dollar brands: Huggies, Scott, Kleenex, Cottonelle and Kotex. Additionally, they use sustainable practices to support a healthy planet and build stronger communities.

**Generac** - Whether it's a standby power system for a large data center, a backup generator powering the family home through an outage, portable generators powering tools at the job site, or the cleaning power of a pressure washer, Generac meets the power needs of consumers and businesses alike. Across the country and around the world.

**GE Appliances** designs and builds the world's best appliances. From design to production to service, their goal is to help people improve their lives at home.

**Sabic**, headquartered in Riyadh, Saudi Arabia, manufactures on a global scale in the Americas, Europe, Middle East and Asia Pacific, making distinctly different kinds of products — polymers, chemicals, commodity and high performance plastics, agri-nutrients, and metals.

**Endress + Hauser** is a global leader in measurement instrumentation, services and solutions for industrial process engineering.





## LEONARD E. WOOD SCHOLARSHIP FOR COOPERATIVE EDUCATION

Established in 2007, the four scholarships honor the memory of the late Leonard E. Wood. Wood received his PhD from Purdue University in 1956 and subsequently joined the faculty as a Professor of Civil Engineering. He then became the School of Civil Engineering Faculty Coordinator for Purdue's Cooperative Education Program in 1989, a role he continued in until his untimely death in 2004.

The scholarship fund exists thanks to a generous donation from Professor Wood's widow, Margaret, who sought to honor his dedication to the Co-Op program, while enabling the achievement of today's Co-Op students. OPP has awarded 30 Wood Scholarships since 2007 including this year's recipients.

The Leonard E. Wood Scholarship for Cooperative Education is awarded to deserving Co-Op students based on academic merit and life-changing experiences brought about by the Co-Op program. Cooperative education never had a greater friend, supporter, or promoter, and no one better exemplified the Co-Op value of practical education as a mentor, counselor, and teacher.



FALL 2018

➤ **AYHAN OKCAL, EE**  
3-Session Co-Op with Rheem Manufacturing



SPRING 2019

➤ **SAM EVANI, AAE**  
3-Session Co-Op with NASA Johnson Space Center



## WILLIAM C. AND LINDA E. NELSON COOPERATIVE EDUCATION SCHOLARSHIP

William and Linda Nelson have been long-standing generous supporters of Purdue's Co-Op Program. William (Bill) is a graduate from Purdue University in 1974 earning a BS, and a year later, MS in Chemical Engineering. Having over 40 years of industry experience, Bill has received many awards to honor his accomplishments. Most recently, he has been inducted into the 2013 Cooperative Education Hall of Fame as well as been honored as a 2017 Outstanding Chemical Engineer by Purdue University.



FALL 2018

➤ **ALEX DOBBINS, CHE**  
5-Session Co-Op with Vantage Specialty Chemicals



FALL 2018

➤ **KATIE DUDEK, CHE**  
5-Session Co-Op with Procter & Gamble



SPRING 2019

➤ **ALLYSON GILBERT, CHE**  
5-Session Co-Op with Nufarm Americas, Inc.



SPRING 2019

➤ **BENJAMIN PRATT, CHE**  
3-Session Co-Op with Air Products & Chemicals, Inc.



SPRING 2019

➤ **TALIA FIX MCNAMARA, CHE**  
3-Session Co-Op with Mead Johnson Nutrition

*“ When I reflect on my college career, I can easily say Co-Op experiences have been by far the best thing I have done at school. Co-Op tours have allowed me to identify areas of specific interest, meet lifetime mentors, and shape my curriculum at Purdue to be better prepared for work post-graduation. With your scholarship, these experiences become more possible, and for that I am extremely grateful! ”*

- Sam Evani

An endowment fund was established by Bill and Linda November of 2011, and amended December 2017. The purpose of the amendment was to encourage participation in Co-Op, and reduce the student's time to graduate. Steps to establish, support, and maintain this goal resulted in the creation of annual scholarships

to Co-Op students. Additionally, incentive grants for instructors offering on-campus and/or online courses for Co-Op students have been generated in support of this goal.





# ANNUAL GIVING

The Office of Professional Practice is grateful for the support it receives from its generous alumni and friends of work-integrated learning at Purdue. Without their financial contributions, OPP could not consistently offer its innovative and highly relevant programming. We would like to recognize the following individuals for their altruism and generosity!



David and Kathryn Bowers  
Keith and Linda Brennan  
Frederick and Mary Bried  
David and Joan Clifton  
Eckhard and Tamara Groll  
William and Lisa Groves  
David and Maggie Guaresimo  
Robert and Ann Heeter  
Kevin and Megan Hess  
Robert and Ann Johnson  
Norman and Toyzanne Jones  
Philip and Susan Karau  
Peter and Candee Krautkramer  
Steven and Kristina Matthews  
Eric and Mary Nauman  
Daniel and Laura Niemeier  
Chee-Mun and Penelope Ong  
Mark and Amy Proegler  
J. Michael and Susan Reagin

Paul and Peggy Reising  
Jeffrey and Sari Vlahakis  
Robert and Betty Straub  
Michael and Kalli Stull  
Joseph and Tricia Tort  
Steve and Lori Wanders  
Brian and Laura Williams  
Gregory and Monica Winer  
Connor Angelo  
Ernesto Barajas  
Alberto Beltran Cervantes  
Annelise Berghoff  
Christopher Brauer  
Andrew Brobst  
Dawn Buchel  
Caley Burke  
Hilary Butler  
Claire Chandler  
Matthew Cirillo

Donna Clifton  
Eleanor Clifton  
Stephen Corbin  
Christopher Corbitt  
Ilene Dailey  
Debotah Davis  
Eric Dodds  
Michael Dwelly  
Renee Fieldhouse  
Joyce Griffin  
Barbara Haney  
Samuel Heath  
Eric Hedman  
Douglas Hogenkamp  
Ronald Kiess  
Zhander Kutbay  
Matthew Laws  
Andrew Lincoln



# OPP IMPACT FUND



Students who participate in Professional Practice Programs currently pay a \$400 Professional Practice fee each work session to maintain their full-time student status. Thanks to support from President Mitch Daniels, this fee was reduced from \$1,000 to \$400, indexed to tuition (which has remained flat for the past few years).

Our goal is to grow participation in OPP programs to 1,500 students per academic year by 2020. To make our programs as accessible for students as possible, OPP and our students are continuing an endowment fundraising campaign for the OPP Impact Fund.

Through this fund, we will eliminate the Co-Op registration fee and finance the Office of Professional Practice independently of University resources. The OPP Impact Fund will enable us to increase the number of students we serve and generate the necessary funds to develop courses and provide resources needed for the creation of innovative student development programs and services.

OPP's programs provide Purdue students the competitive edge they need to succeed and to contribute in their professional lives. Your gift helps make these opportunities affordable for all students. Join us in support of the OPP Impact Fund!

Sara Lyons  
Theresa Matthews  
Douglas McKissack  
Karaan Mehrottra  
Caryn Morgan  
Lilly Myers  
Sean Noble  
Dennis Overly  
Mila Poznyak  
Cai Rohleder  
Teresa Seger-Yeggy  
Austin Smith  
Bryan Swackhamer  
Chloe Wiese  
Margaret Wood  
Yutong Xue  
Adriana Zegarra



# A SPECIAL THANK YOU

Many thanks go to **Ron Haddock, Tom Malott, Bill Nelson, and Jim Rau** (pictured from left to right) for their incredible support of Professional Practice programs. Their magnificent generosity has already impacted thousands of Purdue students, with many more to feel their support in the years to come!







## OFFICE OF PROFESSIONAL PRACTICE EMPLOYER SCHOLARSHIP FUND

A new opportunity called the “Office of Professional Practice Employer Scholarship Fund” has been created in response to two common questions asked:

**“How can I increase our brand awareness or name recognition?”**

**“What can I do to directly impact the students I need to recruit?”**

One of the best ways to help students remember and recognize your company is to assist them with their education. In line with this train of thought, ExxonMobil has recently sponsored two \$1,000 scholarships that have been awarded to deserving Co-Op students. If you would like to contribute to the Office of Professional Practice Scholarship Fund please let us know!



FALL 2018

**NICOLE SZUMIGALSKI, CHE**  
3-Session Co-Op with Kimberly-Clark



SPRING 2019

**DYLAN LURK, ME**  
5-Session Co-Op with GE Aviation



American Airlines  
American Bridge  
ARCO MURRAY  
Ascend Performance Materials  
ATA Engineering, Inc.  
Auris Health  
Bendix  
Benteler Automotive  
BMW  
Borg Warner  
Boston Scientific Corporation  
BP America  
Brand Energy Services, LLC.  
Brandmotion, LLC  
Brose North America  
Central Intelligence Agency  
CF Industries Inc.  
Chicago Powdered Metal  
Products Co  
CLARK Material Handling Company  
Consumers Energy  
Continental Building Products  
Crawford, Murphy and Tilly, Inc. (CMT)  
CSL Behring  
Dominion  
Dow Chemical U.S.A.  
Duke Energy  
E. & J. Gallo Winery  
Eastman Chemical Co.  
Ethicon a Johnson & Johnson Company  
exp Federal  
Exxon Mobil Corp.  
Fortune Brands Home & Security  
Fuel Tech Inc.  
Garmin International  
GE Appliances - a Haier Company  
General Electric  
General Motors Corp.  
Goodwin and Marshall, Inc.  
Greenlee  
Gulfstream Aerospace  
Harley-Davidson Motor Company  
Hawkins, Inc  
HEXBUG  
HNTB  
Hollister Incorporated  
Honeywell, Inc.  
Ingersoll Rand  
Innophos, Inc.  
Innovative Scientific Solutions Inc.

## UNITED STATES EMPLOYERS



Inteva Products  
Jacobs  
Johns-Manville  
Johnson & Johnson  
Jordan & Skala Engineers  
KFC  
Kimberly-Clark Corp.  
Kinetic Vision  
Klingner and Associates, P.C.  
Lantech  
Lenovo  
Lubrizol Corp.  
Lockett & Farley  
Lutron Electronics Co., Inc.  
LyondellBasell  
Marathon Petroleum Company LLC  
Menard Group USA  
Meridian Design Build  
Miller-Valentine Group  
Miniat Holdings LLC  
Nestle  
Norfolk Southern Corp  
Northrop Grumman  
NSG/Pilkington North America  
Nufarm Americas Inc.  
Orbital ATK  
Oswald Company  
Panduit Corp.  
PEI GENESIS  
Peloton Land Solutions  
PepsiCo  
Perry and Associates, LLC

Pioneer Cladding & Glazing Systems  
Polyone Corp  
Premier Design and Build, LLC  
Prescient Surgical  
Proximate Technologies  
Quest Global  
Rheem Manufacturing Company  
Rust-Oleum  
S&C Electric Company  
Safety-Kleen Systems, Inc.  
Sandia National Laboratories  
Schnabel Foundation Company  
Siemens  
SoCore Energy  
Sun Chemical Corp.  
Tenneco Automotive  
The Walsh Group  
Thermo Fisher  
Torad Engineering  
Transsystems Corp.  
Traylor Bros., Inc.  
UL LLC  
UPS Louisville,Ky  
US Army Corps of Engineers  
Valco Melton  
Vantage Specialty Chemicals  
Vaxess Technologies  
Vibracoustic  
W.M. Lyles  
Wayne Water Systems  
WestRock



# INDIANA EMPLOYERS



With the following lists, we acknowledge employers who have actively recruited Purdue Co-Op and GEARE students

Altec Industries Inc.  
American Structurepoint, Inc.  
Applied Engineering Services, Inc.  
ARCONIC  
Arsee Engineers  
Aurora Parts & Accessories, LLC  
Ball Systems Technologies  
Bastian Material Handling  
Behavior Analysis Center for Autism  
Berry Plastics  
Butt Construction Company  
Catalent Biologics  
Closure Systems International  
Cook Pharmica  
Cook Research  
Cornerstone Autism Center  
Cornerstone Controls  
Crane Army Ammunition Activity  
CTS Corp.  
Cummins Inc.  
Delta Faucet Co.  
Depuy Synthes  
Dometic Corporation  
Earth Exploration, Inc.  
Eli Lilly  
Elkhart County Highway  
Eskenazi Health  
Federal-Mogul Corp.

Freudenberg-Nok  
FULLBEAUTY Brands  
GAF  
Grain Processing Corporation  
Grundfos  
GRW Engineers, Inc.  
HENDRICKSON  
Jarden Corporation  
Kendrion (Mishawaka), LLC  
KERAMIDA Inc.  
Knauf Insulation  
Landis+Gyr  
Lippert Components  
Manufacturing Technology  
Mead Johnson  
MED Institute, Inc.  
Medtronic  
Meritor  
Milestone AV Technologies LLC  
Milliman PRM Analytics  
ms consultants, inc.  
Nanshan  
Overton Industries  
Paragon Medical Inc  
Power Transmission Solutions  
Praxair Surface Technologies, Inc.  
Regal Beloit  
Richard L. Roudebush VA  
Medical Center

RZ Automation, Inc.  
SABIC Innovative Plastics  
Samtec  
SDI Innovations  
Southlake Automation  
Southwire  
St. Vincent Indiana  
Stanley Security Solutions, Inc.  
Stant Corporation  
Tate and Lyle North America, Inc.  
Technicolor  
The Morey Corporation  
Therma-Tru Corporation  
TOYOTA  
Trelleborg Sealing Solutions  
Troyer Group, Inc.  
Unilever  
United Consulting Engineers  
United Technologies  
Valley Oaks Health  
Vehicle Service Group  
Vertellus Specialties Inc.  
VS Engineering, Inc.  
Weihe Engineers, Inc.  
WSP USA

## BOTH INDIANA AND GLOBAL EMPLOYERS

Airbus  
Allegion  
Allison Transmission Inc.  
Endress + Hauser  
Faurecia Emissions Control  
Technologies  
Hitachi  
Roche Diagnostics Operations, Inc.  
Rolls-Royce  
ZF Group  
ZimmerBiomet



# GLOBAL EMPLOYERS



3M  
Air Tractor  
Ambarella Inc.  
Asteria Aerospace  
Badve Engineering Ltd.  
Baidu  
BASF  
Bechtel India Ltd.  
Belectric  
Borealis  
Cadenas Parts Soutlions  
Camso Loadstar (PVT)  
Caterpillar  
CEC Controls Company Inc.  
China Bridge Capital  
Chongqing Sehr Robot Technology Ltd.  
Clever PPC  
Compania Nacional de Chocolates  
CTE Centro De Tecnologia  
CYPE Ingenieros  
DAAD Rise Program  
Daimler  
Datum Aerospace  
DLR  
EAFIT  
Eaton Corporation  
Edmund Optics  
Egefer Ltd.  
Ensacar SA  
Erickson  
Espouse Technology  
ETH Zurich Research  
FCA US LLC (Fiat Chrysler Automobiles)  
Ferrovial-Civil Infrastructure  
Generac Power Systems  
Graiman  
GS1  
HD Investment Corp  
Hydroelectric Plant  
Hindustan Petroleum Limited  
Honda  
Hong Kong Polytechnic  
Hong Kong University of  
Science and Technology

HP Barcelona  
IMMI  
Indian Oil Company  
Indurama  
IndusInd Bank  
INMEL Ingenieroa S.A.S  
Integer  
Intel Microelectronics  
International Livestock  
Research Center  
ITAWI  
John Deere  
Khrone  
King Abdullag Design and  
Dev'I Bureau  
KIT Research  
KTH Sweden  
Kuwait Reinsurance Company  
Leibiniz University Research  
Leichtwerk  
Mahindra  
Manipal Inst. Tech  
Max Planck Institute  
McAfee  
Midea America Corp  
Molex, LLC  
Montez EPS Solutions  
Nakatani Reis U.S. Fellowship Program  
Nok Air  
Opinator  
Optima-Pharma  
Parker Hannifin  
Perkins Power  
Procter and Gamble Co.  
R.A. Jones and Co., Inc.  
Renault  
Repsol  
Robert Bosch Corporation  
Rockwell Collins  
Rohde & Schwarz  
Ruhr University Bochum  
Sagami Central Chemical  
Research Institute  
Sales Force

Sapura Kencana Power Service  
Sarten Ambalaj Ticaret ve Sanayi AS  
Schaeffler  
Seoul National University  
SER San Antonio  
Shanghai Dechen Automotive  
Sales Co.  
Shenyang Machine Tool Company  
Sidem Veolia  
Singpec Engineering Incorporation  
SJTU Research  
Sorgenia  
Starburst Accelerator  
Stryker Corporation  
Suzhou WSD Purification Technology  
Synopsis  
TE Connectivity  
Tec De Monterey Queretaro Research  
TECSUP  
The Hon Company Asia  
Tsinghua University Research  
TU Austria  
TU Berlin  
TU Braunschweig Research  
TU Delft  
Tumani Innovation Center  
U Applied Sci Buchs Research  
UC3M Research  
University College London Research  
University of Modena  
University of Queensland Research  
University of San Francisco de Quito  
University of Stuttgart  
Venturesity  
Volvo Car Corp.  
Walsh Group  
Whirlpool  
Wockhardt Pharamaceuticals  
Wooga GmBH  
Yang-Ming University Research  
Yonsei University-Research  
Zeppelin





## FROM THE DIRECTOR

Eric A. Nauman | Director, Office of Professional Practice

Greetings from the Office of Professional Practice (OPP)!

We appreciate your interest and support of Purdue's Professional Practice Programs. OPP continues to expand its offerings across the university and to engage more companies every year. The 2018-2019 academic year was extremely positive and there was a wealth of opportunities available to the 1,300 + students that we worked with.

The OPP mission, to promote experiential education within the academic environment of the institution, continues to be important to students, faculty, and our corporate partners and we are deeply appreciative of all our stakeholders. As we expand the offerings within OPP we are working to keep those stakeholders at the core of philosophy. As we move forward, we are implementing our Milestones Program this fall to ensure that students have the best training in mechanical and electronics prototyping, computing, and analysis. Our goal is to ensure that the students are able to accomplish as much as possible during their work rotations and expand their skill sets while on campus.

Thank you for your interest in the Office of Professional Practice. I hope you enjoyed this edition of our annual report and all the effort and success it reflects.







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YOUR FUTURE**

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