NINTH ANNUAL
CO-OP HALL OF FAME
September 14, 2018
Purdue Memorial Union
Hosted by the Office of Professional Practice
SCHEDULE OF EVENTS

OPENING REMARKS

Eric Nauman
Director, Office of Professional Practice

SPECIAL REMARKS

Mung Chiang
John A. Edwardson Dean of the College of Engineering
Roscoe H. George Professor of Electrical and Computer Engineering

STUDENT WELCOME

Mary Lipari
President, Professional Practice Ambassadors

PURDUE WELCOME

Byron Pipes
John L. Bray Distinguished Professor of Engineering

INDUCTION CEREMONY

Mike Piggott
Director, Community Relations
Purdue Memorial Union

CLOSING REMARKS

Mary Lipari
President, Professional Practice Ambassadors
TABLE OF CONTENTS

Letter from President Daniels ........................................ 2
Message from the Director ........................................... 3

Inductee Biographies

Paul Amico ............................................................. 4
Thomas Beutner ......................................................... 5
Geoffrey Cubitt .......................................................... 6
Eckhard Groll ............................................................ 7

Hall of Fame Members ............................................... 8-9
Co-Op History .......................................................... 10-11

ABOUT THE HALL OF FAME

The Cooperative Education Hall of Fame was created in 2010 to recognize individuals who have had a significant influence on our Professional Practice Programs, as well as alumni of our programs that have demonstrated unparalleled excellence in their field to serve as shining ambassadors of the opportunities that experiential education grants. Individuals are nominated and approved by the Professional Practice Advisory Council, a group of Purdue faculty that aid in the oversight and implementation of our Professional Practice Programs across campus.
Welcome to the 9th Annual Purdue University Cooperative Education Hall of Fame induction. Today we honor a distinguished group of inductees, who represent an extraordinary cross-section of achievements and leadership.

Paul Amico, Thomas Beutner, Geoffrey Cubitt and Eckhard Groll are individuals who have either taken part in or had a great influence on the Co-Op program. I invite you to read more about these four honorees, who embody the very best of Purdue.

I’m sure they would all agree that their participation in a Co-Op program has elevated their professional career, and I affirm my continued strong support of Purdue’s Co-Op program, which as I see it, was far ahead of its time and is likely to be a model for many similar efforts in the future of higher education.

I am pleased to share that the Co-Op program has grown tremendously over the past 5 years, up from 881 students in 2013 to more than 1,200 this year. In particular, participation in our three-session program has grown by 35 percent since 2014, and our Global Engineering Alliance for Research and Education (GEARE) program has doubled in size!

Please join me in congratulating this year’s inductees for their outstanding contributions to advancing the Cooperative Education Program.

Mitchell E. Daniels Jr.
President
Purdue University
Greetings!

Thank you for your support of Purdue’s Office of Professional Practice. Our programs have a storied past that transcends generations of faculty, staff, and especially, students. What started as a pilot program in the School of Mechanical Engineering, founded by Professor Fredrick B. Morse in 1954 with eight students and seven industry partners, has evolved into the Office of Professional Practice: a cross-campus entity that serves 1,200 students and collaborates with more than 300 active industry partners. Without those partnerships, we could not offer the most rigorous and rewarding programs of their kind in the country.

While Professor Morse established our foundation in Cooperative Education programs long ago, the Office of Professional Practice is committed to providing increasingly relevant programs that answer the unique challenges of the 21st century. In addition to reporting increasing interest in our Co-Op and award-winning GEARE programs during the academic year 2017-2018, we are proud to announce the further development of the Flex Co-Op program in Spring 2018. 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.

It is an exciting time to be a stakeholder in the Office of Professional Practice. Today, as we honor those who have greatly contributed to the Cooperative Education programs at Purdue or those who have used their Cooperative Education to the highest potential as exemplified by their leadership and career accomplishments, we look towards another year of exciting partnership and discovery.

MESSAGE FROM THE DIRECTOR

Eric Nauman
Director of the Office of Professional Practice
PROFESSIONAL CAREER
Paul Amico is a graduate from Purdue University with a Bachelor’s degree in Civil Engineering. 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. He believes that his experience in the co-op program was an essential step in his career because he was exposed to a wide variety of projects and experiences in water and in solid and hazardous waste remediation, which allowed him to better understand that he wanted to focus on water in his professional practice.

EDUCATION
• B.S. 1996, Civil Engineering, Purdue University

CO-OP ALUMNUS
Paul Amico completed a 5-Session Co-Op with Montgomery Watson, now Stantec. Upon graduating, he joined his first co-op boss and mentor to continue working on municipal water infrastructure projects.

PROFESSIONAL CAREER
Paul Amico is a graduate from Purdue University with a Bachelor’s degree in Civil Engineering. 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. He believes that his experience in the co-op program was an essential step in his career because he was exposed to a wide variety of projects and experiences in water and in solid and hazardous waste remediation, which allowed him to better understand that he wanted to focus on water in his professional practice.
PROFESSIONAL CAREER

Thomas Beutner has worked in research areas including advanced diagnostics, computational fluid dynamics, and applied aerodynamics. After completing his doctorate degree, he led a wind tunnel diagnostics group in the Air Force Research Laboratory at Wright Patterson Air Force Base. 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.

EDUCATION

- B.S. 1987, Aeronautical and Astronautical Engineering, Purdue University
- M.S. 1988, Aeronautics and Astronautics, Stanford University
- Ph.D. 1994, Aeronautics and Astronautics, Stanford University

CO-OP ALUMNUS

Thomas Beutner was a co-op student as an undergraduate in the School of Aeronautics and Astronautics. He completed 4 Co-Op rotations at General Dynamics in Fort Worth, Texas. During his co-op periods, he worked in several areas, including aerodynamic analysis, propulsion design and flight dynamics, working on the F-16, advanced design aircraft, and competitor vehicles analysis.
PROFESSIONAL CAREER

Geoffery Cubitt worked for Hughes Space and Communications after completing his Co-Op rotations with the company. There, his work included business process reengineering, information engineering, and project leadership on ERP and PDM projects. He was a key member of the Information Systems architecture team whose 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.

Geoff has spent 25+ years helping clients create transformational digital platforms and experiences. As CEO of Isobar, Geoff led Isobar (600 people in US, 6,500 globally) in tackling the largest, most complex problems in the digital space. Isobar has been named a “Leader” for the past four years in Gartner’s Global Digital Agency Magic Quadrant with the highest score for Strategic Vision in 2018. Geoff has always believed that the key to success in digital is the integration of experience design and enterprise technology, whether he is helping create HBO’s award winning digital ecosystem or Enterprise Rent-A-Car’s global digital offering.

EDUCATION

• B.S. 1992, Industrial Engineering, Purdue University
• M.S. 1993, Industrial Engineering, Stanford University

CO-OP ALUMNUS

Geoffery Cubitt completed the Co-Op program with 7 rotations at Hughes Space and Communications (HSC). He then continued to work the HSC where he was a key member of the Information Systems architecture team.
PROFESSIONAL CAREER

Dr. Eckhard A. Groll is the Reilly Professor of Mechanical Engineering and also serves as the Associate Dean for Undergraduate and Graduate Education in the College of Engineering at Purdue University. He joined Purdue University as an Assistant Professor in 1994 and was promoted to Associate Professor in 2000, to Full Professor in 2005, and to the Reilly Professorship in 2013 teaching Thermodynamics. Since joining Purdue, he has advised more than 100 graduate students and more than 150 undergraduate project students, visiting scholars, and visiting research associates. He holds 4 patents, has given 88 invited lectures and seminars, and 13 conference keynote lectures. He has received numerous awards for his research and teaching excellence including most recently by receiving the 2018 J&E Hall International Gold Medal in Refrigeration by the Institute of Refrigeration and the 2017 Peter Ritter von Rittinger International Heat Pump Award by the IEA Heat Pump Centre. In addition, he was inducted into Purdue’s Book of Great Teachers in 2008.

CO-OP IMPACT

Eckhard Groll served as the Interim Director of Purdue’s Office of Professional Practice (OPP) in 2007, and as the Director of OPP in 2008 until January 2018. He was responsible for growing the 3-session Co-Op program to the largest Co-Op program on campus. He also introduced the MS Co-Op program and facilitated the move of the Interns-for-Indiana program to OPP. During his tenure as the OPP Director, student participation in the various programs offered by OPP grew from approximately 650 students during the Academic Year 2006-2007 to close to 1300 students during the academic year 2017-2018.

PROFESSIONAL CAREER

Dr. Eckhard A. Groll is the Reilly Professor of Mechanical Engineering and also serves as the Associate Dean for Undergraduate and Graduate Education in the College of Engineering at Purdue University. He joined Purdue University as an Assistant Professor in 1994 and was promoted to Associate Professor in 2000, to Full Professor in 2005, and to the Reilly Professorship in 2013 teaching Thermodynamics. Since joining Purdue, he has advised more than 100 graduate students and more than 150 undergraduate project students, visiting scholars, and visiting research associates. He holds 4 patents, has given 88 invited lectures and seminars, and 13 conference keynote lectures. He has received numerous awards for his research and teaching excellence including most recently by receiving the 2018 J&E Hall International Gold Medal in Refrigeration by the Institute of Refrigeration and the 2017 Peter Ritter von Rittinger International Heat Pump Award by the IEA Heat Pump Centre. In addition, he was inducted into Purdue’s Book of Great Teachers in 2008.

EDUCATION

• Diploma 1989, Mechanical Engineering, University of the Ruhr
• Doctorate 1994, Mechanical Engineering, University of Hannover

ECKHARD GROLL
HALL OF FAME MEMBERS

2016
Top (Left to Right): Ron Klemencic, Tony Denhart, Stacy Bartoletti
Bottom (Left to Right): Greg Winer, Amy Adams, Sarah Smith, Eckhard Groll (former Director of OPP)

2016
C. Douglas Ebersole
Bradley J. Maggart
Linda Davis
Jerry Matthews
Lawrence Ogborn
(posthumous)

2015
Mary Lee Gambone
Candee Krautkramer
Steven Perry
Jim Karl
Janice Voss
(posthumous)
2014
Bob Davis
Rebecca Kopp-Levine
Lt. Gov. Sue Ellspermann
Janet Goings
Cindy Farrer

2013
William Nelson
Winthrop A. Gustafson
Hannis Thompson
John Grutzner
Keith Hawks
Rick Bried

2012
Lawrence Cargnino
(posthumous)
Robert Squires
(posthumous)
John Storm
Kathy Kilmer

2011
James Mason
James Barany
(posthumous)
Renee Fieldhouse
Ron Haddock
Norman Gilsdorf
(Not pictured)

2010
Frederick Morse
(posthumous)
Neal Houze
Leonard Wood
(posthumous)
Thomas Malott
1928: Earliest recorded attempt to establish a formal Cooperative Engineering Education Program. The proposal did not meet with much enthusiasm on the part of the department head at the Board of Trustees meeting. Also, the “catastrophic economic conditions” made the program impossible.

1953: Registrar recommended that the possibility of initiating a program be explored. A committee chaired by Professor G.W. Bergren was created to study the matter.

1954: The first formal Co-Op Program started with the School of Mechanical Engineering with eight students and seven employers.

1955: Civil Engineering joined the Co-Op Program.

1957: Electrical Engineering joined the Co-Op Program.

1959: By April, the program had grown to 50 employers with 161 students. Industrial Engineering joined the Co-Op Program during the summer semester.

1960: Chemical Engineering joined the Co-Op Program.

1964: Aeronautical Engineering joined the Co-Op Program.

1967: Agricultural Engineering joined the Co-Op Program.

1968: Materials Engineering joined the Co-Op Program.

1974: Nuclear Engineering, School of Agriculture, School of Management, and School of Science joined the Co-Op Program.

1975: Interdisciplinary Engineering and School of Technology joined the Co-Op Program.

1977: School of Consumer & Family Sciences joined the Co-Op Program.
Nearly 1,000 students and 400 employers were participating in the Co-Op Program by the 25th anniversary.

School of Education and School of Liberal Arts joined the Co-Op Program.

Colleges of Pharmacy and Nursing joined the Co-Op Program.

Psychological Sciences joined the Co-Op Program.

The Office of Professional Practice serves eight colleges and 48 different disciplines. OPP offers 3-Session Co-Op, 5-Session Co-Op, Master’s Co-Op, Flex Co-Op, a global program (GEARE), internship programs, and research experiences.

The Office of Professional Practice would like to thank Ron Haddock, Tom Malott, Bill Nelson, Jim Rau for their invaluable and meaningful support of our office and our programs. Your generosity will have a lasting impact on students for years to come.
OFFICE OF PROFESSIONAL PRACTICE

Director: Eric Nauman
Associate Director, Cooperative Education: Stephen P. Wanders, P.E.
Assistant Director, Global Professional Practice: Joe Tort
Global Internship Coordinator: Francisco Montalvo
Employer Information Specialist: Barb Albrecht
Student Information Specialist: Tina Alsup
Program Information Specialist: Aimee Griggs
Program Secretary: Rachel Haas
Communications & Marketing Specialist: Haley Yeoman
Communications Co-Op Student: Erika Marietta