

2020-2021



Outstanding Industrial Engineer Awards Ceremony



**PURDUE
UNIVERSITY®**

School of Industrial Engineering

2020-2021



*Outstanding
Industrial
Engineer Awards
Ceremony*

OIE 2020

Orlena Nwokah Blanchard

Ertürk Değer

Cynthia Farrer

G.V. Sanjay Reddy

OIE 2021

Jorge Haddock

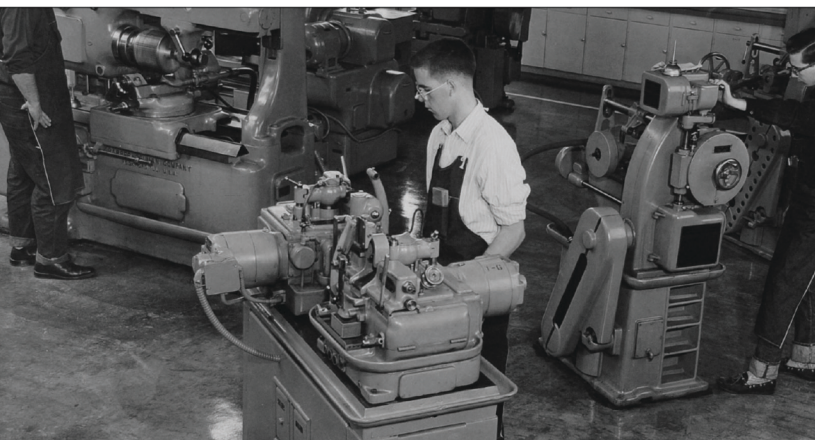
Tamara L. Markey

Kay M. Stanney

Patrick Trippel

Thursday - April 1, 2021

Virtual Event: 7:00 p.m. - from West Lafayette, Indiana



Welcome and Remarks

Maya Luster, IE Graduate Student

Presentation of Awards

*Honoring the 2020 & 2021 Outstanding
Industrial Engineer Award Recipients*

Closing and Remarks

*Abhijit Deshmukh
James J. Solberg Head and
Tompkins Chair of Systems*

OUTSTANDING INDUSTRIAL ENGINEERS 2020

OIE 2020

Orlena Nwokah Blanchard

Ertürk Değer

Cynthia Farrer

G.V. Sanjay Reddy



Orlena Nwukah Blanchard

BSIE 1994

Orlena Nwukah Blanchard is an entrepreneur, marketing strategist, and innovative leader behind social impact movements and marketing programs for brands. She has more than 26 years of experience building value for Fortune 500 companies and startups.

Her current venture, JOY Collective, is an award-winning cultural insights, marketing and creative agency specializing in brand building in today's complex, poly-cultural world. As JOY's President & COO, Orlena has helped reframe marketing with high cultural competency for JOY's diverse portfolio of clients including the United States Naval Academy, Dove, Dove Men+Care, OWN, WW, Tory Burch, Diageo, SheaMoisture, Google Fiber and more.

She previously served in various executive positions including Executive Director of the Black Media Matters Consortium, a trade association founded by BET Networks, and as head of digital media for TV One. Orlena has also worked for world-renowned brands such as Andersen Consulting (Accenture), American Express, and the Corporate Executive Board.

Orlena is an executive board member of Digital Pioneers Academy, a public charter school in Washington, DC, and a former Brand President of the Washington, DC chapter of the Women in Cable Telecommunications (WICT).

Orlena received her BS in Industrial Engineering from Purdue University and earned an MBA, from the University of Pennsylvania – The Wharton School. She lives in Bethesda, Maryland with her husband and three sons.



Ertürk Değer **BSIE 1966, MSIE 1968**

Ertürk Değer is Chairman of Degere International Trading. Degere specializes in foreign trade of non-ferrous metals, crude oil, and petroleum products. The Degere Group has also made investments in the area of logistics and communications with the aim of developing international trade and overcoming logistical obstacles.

Ertürk frequently made strategic partnerships with private and public entities. After aiding then-new Kazakhstan grow their trade, Değer was appointed Kazakhstan's Honorary Consul in Istanbul by the Kazakh President until the country's own consulate was created.

Mr. Değer contributed both politically and economically to the realization of the Baku-Ceylan Oil Pipeline project and served on the board of directors of the American-Turkish Council in the 1990's. He strengthened economic relations between Turkey and the U.S., the Middle Eastern countries, and the Russian Federation and Turkic Republics.

Prior to founding Degere, he worked at RCA Electronics, returned to Turkey in 1975 to fulfil his military service obligation, and aspired to contribute to the Turkish national economy - a dream fulfilled.

Ertürk has received much recognition for his philanthropy and civic duties. He has been part of a variety of social responsibility projects - a highlight was setting up a technology classroom in the name of his elementary school teacher.

Değer earned his BS and MS degrees at Purdue's School of Industrial Engineering and an MBA at Butler University.



Cynthia Farrer
BSIE 1984, MSIE 1991

Cindy Farrer is vice president of global operations and integrated supply chain for Allegion. In this role, she oversees Allegion's global manufacturing operations and supply chain, with plants and supply base across the Americas, Europe and Asia.

Farrer has extensive career experience in manufacturing and supply chain, spanning 35 years in a variety of roles – from production management and engineering to quality, procurement and lean manufacturing – across companies like General Motors, Delphi Automotive Systems, Ingersoll Rand and Allegion. While leading Delphi Automotive's electronics manufacturing facilities in Reynosa, Mexico, her operations were awarded the prestigious Shingo Prize for Manufacturing Excellence.

Highly involved in her community, Cindy served as chairman of the board for Habitat for Humanity of Greater Indianapolis in 2020, and she actively engages with Purdue, through both the Industrial Engineering School and Krannert Supply Chain programs. Purdue has honored Ms. Farrer by inducting her into the Purdue Cooperative Education Hall of Fame in 2014.

As a mother of four daughters, a female executive and someone who has worked to support and inspire other women in manufacturing, Cindy was also honored by The Manufacturing Institute as an inaugural STEP Ahead Award winner in 2013.

Cindy holds a Bachelor's & Master's degrees in Industrial Engineering from Purdue University.



G.V. Sanjay Reddy **BSIE 1987**

G.V. Sanjay Reddy is the Vice Chairman of GVK, a conglomerate with interests in energy, airports, transportation, real estate, hospitality and life sciences. While he is involved in all areas of the businesses, Sanjay is instrumental in making GVK the leading private operator in India with Mumbai Airport and now with the development of the Navi Mumbai Airport.

Reddy founded GVK Biosciences, which is one of Asia's largest contract research organizations employing more than 2000 scientists. He is involved with GVK EMRI 108 service, which is the world's largest ambulance service offered free of cost to over 800 million people across India & having saved more than two million lives to date.

In recognition of his extensive career accomplishments, he was declared the "Emerging Business Leader of the Year" by AIMA Managing India Awards & is one of the 25 Indians chosen as a Young Global Leader by the World Economic Forum.

Sanjay currently serves on the Purdue-India Executive Council and is also a member of the Advisory Board of the Ross Business School at The University of Michigan. He has served as the Chairman of the Southern Region Council and the Chairman of Infrastructure Council of the Confederation of Indian Industry; he is an active member of the Young Presidents' Organization (YPO) and the Chief Executives Organization (CEO) and is on the Board of the Jagdish & Kamala Mittal Museum of Indian Art, among others.

He earned a Bachelor's degree in Industrial Engineering from Purdue University in 1987 and an MBA from the University of Michigan, Ann Arbor.



OUTSTANDING INDUSTRIAL ENGINEERS 2021

OIE 2021

Jorge Haddock

Tamara L. Markey

Kay M. Stanney

Patrick Trippel



Jorge Haddock

PhD IE 1981

Jorge Haddock is the twentieth President of the University of Puerto Rico. Dr. Haddock started his academic life as an Assistant Professor at the University of Puerto Rico, Mayagüez. Then at Rensselaer Polytechnic Institute he became a tenured full professor in engineering and then served as an associate dean of the Lally School of Management and Technology. He has since served as Dean of the Robins School of Business at the University of Richmond, the School of Management at George Mason University, and the College of Management at the University of Massachusetts.

While living his passion for academic leadership and building partnerships across disciplines, Jorge also brings an entrepreneurial spirit to his work. He has many successes: notable increases in the philanthropic participation of alumni, establishment of online graduate programs, cross campus initiatives that engaged students in entrepreneurial venture-building activities, and raising the national and international reputation of these institutions, as well as forging relationships with organizations like embassies, the World Bank, and the US State Department.

His teaching interests include operations research, production planning and information technology courses at the undergraduate and graduate level. Jorge has authored and co-authored more than a hundred publications over a wide spectrum of topics and has consulted for Fortune 500 companies.

Dr. Haddock is from Caguas, Puerto Rico, earned a BS in Civil Engineering from the University of Puerto Rico - Mayaguez, an MS in Management Engineering from Rensselaer and a PhD in Industrial Engineering from Purdue University. He has been married to his wife, María (MSIE '81), for over 40 years and together they have two children; Angelique and Alex, and four grandchildren; Desmond, Cameron, Lily and Noah.



Tamara L. Markey ***BSIE 1994, MS EngTechEd***

Tamara Markey is an innovative, passionate, and dynamic educator. She draws from and applies to her work in education, nearly a decade of professional experience as an Engineer with Amoco Oil and BP Pipelines. Mrs. Markey is a Woodrow Wilson STEM Teaching Fellow and a certified Project Lead the Way (PLTW) Instructor. She has taught high school Pre-engineering and served as a STEM Instructional Coach in the Lawrence Township Metropolitan School District in Indiana.

Tamara presently teaches high school physics at Columbus Academy in Columbus, OH. Additionally, she works with the Purdue University Minority Engineering Program, championing an elementary level math initiative designed to address performance gaps in mathematics for underrepresented students and increase minority interest and program eligibility in STEM majors.

Tamara received recognition as the 2019 Indiana Teacher of the Year. She holds a Bachelor's degree in Industrial Engineering and an MS in Engineering Technology Education, both from Purdue University.

Tamara is a devoted wife of thirty years and a proud mother of three children and one Golden Doodle.



Kay M. Stanney
MSIE 1990, PhD IE 1992

Kay M. Stanney is CEO and Founder of Design Interactive, Inc., a woman-owned small business specializing in human systems integration and developing innovative solutions to accelerate human performance. In 2019, she was inducted into the National Academy of Engineering (NAE) for her contributions to “human factors engineering through virtual reality technology and strategic leadership.”

Dr. Stanney works with the Department of Defense and Fortune 500 companies to harness the power of interactive immersive technology to help people realize their full potential. During her 25+ years of research, she has led numerous efforts involved in furthering adaptive immersive training and operational support techniques. She is known for selecting, developing and mentoring high-potential emerging thought leaders. Her research has influenced the design of current generation virtual reality (VR) headsets, military training solutions, amusement park rides, and Fortune 100 enterprise solutions. Kay's research is also supporting organizations during the Silver Tsunami by providing eXtended Reality (XR) tools for knowledge elicitation.

Kay started her career immediately after undergraduate study. She spent three years working as a manufacturing/quality engineer for Intel Corporation. After Purdue, Dr. Stanney spent 15 years as an industrial engineering professor at the University of Central Florida. She was named one of the first UCF Trustee Chairs, a position she held from 2003-2008. Dr. Stanney is a Certified Human Factors Professional (CHFP).

Dr. Stanney received a BS in Industrial Engineering from the State University of New York at Buffalo and her MS & PhD in Industrial Engineering, with a focus on Human Factors Engineering, from Purdue University in 1990 & 1992.



Patrick Trippel

BSIE 1984

Pat Trippel is President & CEO of Inventus Power. He is responsible for strategically leading the global enterprise to ensure Inventus Power is constantly innovating power systems & is at the forefront of thought leadership for their OEM & contract manufacturer customers across the consumer, commercial/industrial, medical & military & government markets.

Pat has a distinguished career that spans over 30 years in the electronics manufacturing and energy systems industries. Most recently, he was with H.B. Fuller Company as Senior Vice President of Market Development. In this role, he was responsible for the company's Durable Assembly business which included the Electronics & Engineering Adhesive businesses. Prior, Trippel was with Henkel Corporation as Senior Vice President & General Manager of the Global General Industries business and also served as the President and General Manager of Henkel's Global Electronic Materials business.

He began his career with Universal Instruments Corporation in sales and was subsequently successful in numerous roles, including sales engineering, regional sales manager and Latin American operations manager. Mr. Trippel then joined Siemens AG where he held multiple leadership positions including Vice President and General Manager of their electronic assembly equipment business and President and CEO of the Siemens Dematic Electronic Assembly Systems.

Pat earned a BS in Industrial Engineering from Purdue University and has completed executive development programs at Harvard University, Duke University, University of Chicago, IMD in Switzerland & IESE in Spain.



Outstanding Industrial Engineer Award Recipients

2020 Award Recipients

Orlena Nwokah Blanchard (BSIE '94)
Ertürk Değer (BSIE '66, MSIE '68)
Cynthia Farrer (BSIE '84, MSIE '91)
G.V. Sanjay Reddy (BSIE '87)

2019 Award Recipients

Jorge Haddock (PhD '81)
Tamara L. Markey (BSIE '94, MS EngTechEd)
Kay M. Stanney (MSIE '90, PhD '92)
Patrick Trippel (MSIE '86)

2018 Award Recipients

Thomas Benes (BSIE '75, MSIE '76)
Steven Dumbauld (BSIE '72)
Milo Harden (BSIE '74)
Kenneth Musselman (PhD '78)

2017 Award Recipients

Karen M. Ashley (MSIE '91)
Michael D. Heard (BSIE '88, MSIE '89)
Albert T. Jones (PhD '78)
Ravi R. Talwar (MSIE '69)
Antoinette Simon Wallace (BSIE '83)

2016 Award Recipients

Amy M. Adams (BSIE '88)
Byoung K. Choi (PhD '82)
Ghassan E. Nuqul (BSIE '83)
Richard A. Penington (BSIE '85, MSIE '86)
Kathryn E. Steckle (MSIE '77, PhD '81)
Cynthia M. Weldon (BSIE '80)

2015 Award Recipients

Anna J. Bakst (BSIE '83)
Warren Blanchard (BSIE '92, MSIE '96)
Richard J. Koubek (MSIE '85, PhD '87)
Richard Redelfs (BSIE '80)
Vinod K. Sahnay (MSME '65)
Pradeep Tripathi (BSIE '69)

2014 Award Recipients

Placid M. Ferreira (PhD '87)
Bill M. Frederick (BSIE '82)
Chantel L. Lenard (BSIE '91)
Carlos E. Moreno (BSIE '94)
R. Kent Novak (BSIE '87, MSIE '88)

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2013 Award Recipients

John F. Beering (BSIE '92)
Susan J. Ellspermann (BSIE '82) *
Mica R. Endsley (MSIE '85)
Barry L. Nelson (MSIE '81, PhD '83)
Hector A. Rangel Domene
(BSIE '69)

2012 Award Recipients

Richard I. Adduci, Jr. (BSIE '88)
Julie A. DeWane (BSIE '87)
Claire A. Nelson (MSIE '81)
Lawrence Oliver II (BSIE '84)

2011 Award Recipients

Said S. Darwazah (BSIE '80)
Stephen A. McGaw (BSIE '84)
Anthony W. Miller (BSIE '89)
Dennis J. Schwartz (BSIE '63)

2010 Award Recipients

Theresa C. Carter (BSIE '85)*
Craig T. Hall (BSIE '72)
Rajasekhar C. Menon (MSIE '89)
Carlos E. Odio (BSIE '65)*
Erin Trabel Youngs (BSIE '92)

2009 Award Recipients

Robert J. Adams Jr. (BSIE '81)
L. Dick Buell (BSIE '72)
Lee A. Chaden (BSIE '64)
J. Franklin Sharp (MSIE '61, PhD '66)
William E. Smith (BSIE '73, MSIE '74)

2008 Award Recipients

Ricardo J. Echevarria (BSIE '88)*
Edward M. Schreck (BSIE '71)*

2007 Award Recipients

Patricia L. Anslinger (BSIE '82)
Larry E. Bagwell (MSIE '69)
James D. Gibbons (BSIE '85)*
Thomas D. Kampfer (BSIE '85)
Daniel E. Keefe (BSIE '81)
Kathleen A. Kilmer (BSIE '92)*
David J. Meyer (BSIE '95)
William H. Pettibone (BSIE '67)

2006 Award Recipients

Thomas D. Weldon (BSIE '77)*

2005 Award Recipients

W. Kee Chan (BSIE '70)
Robert Steven Dittus (BSIE '73)*
Thomas J. Friel (BSIE '69)
Joseph T. Mallof (BSIE '72)*
Mitchell M. Tseng (MSIE '73, PhD '75)
Peter K. Wang (BSIE '75)

* Distinguished Engineering
Alumni Award recipient
+ Honorary Doctorate

OUTSTANDING INDUSTRIAL ENGINEERS

2004 Award Recipients

Kari L. Barbar (BSIE '82)
Scott W. Givens (BSIE '88)
Zone-Ching Lin (PhD '84)

2003 Award Recipients

Grace Y. Lin (MS '85, PhD '93)
Kevin R. Scott (BSIE '82)
Robert E. Swinehart (BSIE '65)

2002 Award Recipients

Tamara M. Christen (BSIE '83)
C. Dennis Pegden (BSAAE '71,
MSAAE '73, PhD '75)
Patricia K. Poppe (BSIE '89,
MSIE '91)*
Gregory R. Schriefer (BSIE '74,
MSIE '80)

2001 Award Recipients

Parasuram Balasubramanian
(PhD '77)
F. Hank Grant III (BSIE '73, MSIE '77,
PhD '80)
Timothy J. Greene (BSAAE '75,
MSIE '77, PhD '80)
Joseph Polito (MSIE '74, PhD '77)
Gary W. Potts (BSIE '70, MSIE '74)
Stuart C. Stock (BSIE '68)

2000 Award Recipients

Robert M. Bozarth (BSIE '74)
Ronald W. Dees (BSIE '72, MSIE '74)
Keith Krach (BSIE '79)*
Greg Kuper (BSIE '78)
Ravi Venkatesan (MSIE '87)*
Richard Wysk (PhD '77)
David B. Wortman (BSIE '73, MSIE '77)

1999 Award Recipients

Bradford C. Anker (BSIE '68)
Dennis Engi (BSMATH '71, MSIE '74,
PhD '76)
D. Lynn Mercer (MSIE '84)
Luis F. Machuca (BSEE '80, MSIE '81)
James E. Morehouse (BSIE '66,
MSIE '67)
Curtis D. Neel Jr. (BSIE '68)
MG Robert David Shadley (BSIE '65,
MSIE '66)*

1998 Award Recipients

Juan Ernesto de Bedout (BSIE '67,
MSIE '68)*+
Michael L. Eskew (BSIE '72)*+
Pedro P. Granadillo (BSIE '70)*
Harry V. Huffman (BSIE '65)
Cynthia A. Niekamp (BSIE '81)*
Michael T. Riordan (BSIE '72)*
John M. Stropki (BSIE '72)
Adel A. Zakaria (MSIE '70, PhD '73)*

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1997 and Previous Award Recipients

Charles G. Armstrong (BSIE '64)*	Donald G. Malcolm (BSPSE '40, MSIE '48)*
John E. Carroll Jr. (BSIE '64, MSIA '68)*	Joe H. Mize (MSIE '63, PhD '64)*
Charles T. Cotton Jr. (BSIE '66)*	Gerald Nadler (BSME '45, MSIE '46, PhD '49)*
J. Grady Cox (PhD '64)*	Dennis L. Owen (BSIE '83)
Donald DeFosset Jr. (BSIE '71)*	William L. Rammes (BSIE '63)*
John A. Edwardson Jr. (BSIE '71)*+	John W. Reese Jr. (MSIE '54)*
James L. Farlander (BSIE '63, MSIE '64)*	Charles C. Rhodes (BSIE '75, MSIE '78, MSIA '79)*
Robert C. Forney (BSCHE '47, MSIE '48, PhD '50)*+	Donald A. Roach (BSME '52)*+
James M. Frische (BSIE '64, MSIE '65)*+	James M. Savage (BSIE '72)
Carroll B. Gambrell (PhD '58)*	C. Elliot Sigal (BSIE '73, MSIE '73, PhD '77)*
William J. Gillilan III (BSIE '68)*	Harold E. Smalley Sr. (MSIE '47)*
Robert D. Hall (BSIE '70)*	Stephen D. Spence (BSIE '61)*
J. Bruce Harreld (BSIE '72)*	James A. Tompkins (BSIE '69, MSIE '70, PhD '72)*
John R. Hodowal (BSIE '66)*	Jeremy S. Weinstein (MSIE '68, PhD '71)*
Philipp R. Hornthal (BSIE '72, MSIE '72)	
Donald R. Juncker (BSIE '63, MSIE '65)	
Robert N. Lehrer (BSME '45, MSIE '47, PhD '49)*	

* Distinguished Engineering Alumni Award recipient

+ Honorary Doctorate



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