

OUTSTANDING ALUMNI AWARDS

AND STUDENT AWARDS OF EXCELLENCE

FEBRUARY 24, 2022 | DAUCH ALUMNI CENTER



School of Engineering Education

IT IS MY GREAT PLEASURE to present this year's recipient of the Engineering Education Outstanding Alumni Award, Umesh Patel, PhD, a graduate of the former Division of Interdisciplinary Engineering (now part of the School of Engineering Education).

The Engineering Education Outstanding Alumni Award is presented to alumni/ae who have achieved singular accomplishments in their fields, whose successful careers are role models for our students, and whose achievements set an example for all the School's alumni. In future years, the award will recognize alumni who have interdisciplinary engineering degrees, multidisciplinary engineering degrees, or engineering education doctoral degrees, reflecting all academic degrees the School offers.

Our 2021 honoree, Umesh Patel, is such an inspiration. He has distinguished himself as an innovative global leader in the medical device and regenerative medicine industry. In doing so, he has displayed the ingenuity and pursuit of excellence that epitomizes the Purdue engineer.



Dr. Donna Riley
KAMYAR HAGHIGHI HEAD

PROGRAM AGENDA

6:30 PM

WELCOME

Shepherd Dick

SENIOR, MDE THEATRE ENGINEERING

STUDENT AWARDS

Mary Pilotte

PROFESSOR OF ENGINEERING PRACTICE

CO-DIRECTOR, FUSION STUDIO FOR ENTERTAINMENT AND
ENGINEERING

DIRECTOR, ENGINEERING EDUCATION UNDERGRADUATE DEGREE
PROGRAMS - MULTIDISCIPLINARY ENGINEERING &
INTERDISCIPLINARY ENGINEERING STUDIES

Guests should eat their salad during this portion

7:00 PM

DINNER

Mixed Farm Greens, Ruby Red Grapefruit, Candied Pecans,
Pomegranate Seeds, Juniper Citrus Vinaigrette

Roasted chicken in a creamy lemon garlic sauce
with spinach and sundried tomatoes.

Saffron Rice with toasted pinenuts, raisins,
fresh parsley and butter.

Crispy Roasted Brussels Sprouts

Caramel Apple Cheesecake with pepita brittle
and 5-spice syrup

7:45 PM

OUTSTANDING ALUMNI AWARD

Donna Riley

KAMYAR HAGHIGHI HEAD, SCHOOL OF ENGINEERING EDUCATION

IMMEDIATELY FOLLOWING

PHOTOS OF HONOREES AND GUESTS

Meet at the Boilermaker Special in Atrium

UMESH PATEL, PHD

1986 INTERDISCIPLINARY ENGINEERING, GENETIC ENGINEERING
2021 IDE OUTSTANDING ALUMNI AWARD

AS PRESIDENT OF COOK BIOTECH INCORPORATED, Umesh provides executive leadership and strategic direction to the organization that has global talent spanning the areas of research, development, marketing, regulatory and manufacturing in the field of regenerative medicine. Cook Biotech is a medical products company that commercializes products that are used to repair and heal tissue defects. These products have been used in treatments for more than 6 million patients worldwide.

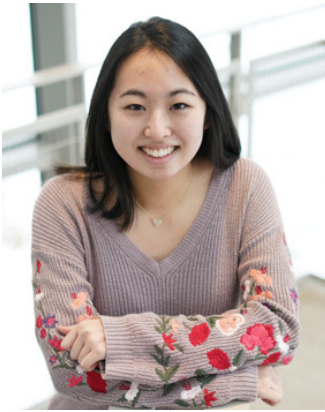
Umesh joined Cook Biotech in 1995 as its second employee and was responsible for operations and the development of manufacturing processes to produce extracellular matrix (ECM) medical devices. Prior to becoming president of Cook Biotech, Umesh also served as vice president of product development and engineering.

Umesh holds more than 50 U.S. patents and is author of more than 14 peer-reviewed publications. He has served as a guest faculty lecturer on biomedical engineering topics and leadership at several universities. He serves on several boards and committees including Purdue's Weldon School of Engineering Industrial Advisory Board, Purdue Foundry Investment Fund, Indiana Center for Translational Sciences Institute (CTSI) External Advisory Committee, and Greater Lafayette Commerce. He is also a mentor for the MatchBOX Coworking Studio Spark program for minority-owned businesses.

As a student and post-doc, Umesh conducted research at Purdue University's Biomedical Engineering Center in the areas of cardiac output, impedance cardiography, hyperthermia, telemedicine, and ECM materials. Umesh earned a Doctorate degree in industrial engineering at Purdue University. His Master of Science degree in electrical engineering and Bachelor of Science degree in interdisciplinary engineering are also from Purdue University.



STUDENT AWARDS OF EXCELLENCE



SAYA C. UEKI

**OUTSTANDING SOPHOMORE
ACADEMIC ACHIEVEMENT**

MDE Visual Design Engineering
Product Lifecycle Management Minor
Collaborative Leadership Certificate



RACHEL M. GANDER

**OUTSTANDING JUNIOR
ACADEMIC ACHIEVEMENT**

MDE Engineering Management
Sustainable Engineering and Organizational
Leadership Minors
MDESS Historian Officer 2021-22



MASON ZHAO

**OUTSTANDING JUNIOR
ACADEMIC ACHIEVEMENT**

IDES Engineering Science Studies
Computer Science (Double Major)
Mathematics Minor



ASHLEY M. GROOMS

**OUTSTANDING SENIOR
ACADEMIC ACHIEVEMENT**

MDE Acoustical Engineering
Mathematics Minor
2022 Donald A. Loren Scholarship Recipient



LOGAN K. NOSTER

**OUTSTANDING SENIOR
ACADEMIC ACHIEVEMENT**

MDE Visual Design Engineering
Product Lifecycle Management Minor
2021 Outstanding Junior Achievement Recipient
MDESS Professional Development Officer 2021-22



CHLOE M. OTIS

**OUTSTANDING SENIOR
ACADEMIC ACHIEVEMENT**

MDE Visual Design Engineering
Product Lifecycle Management Minor
2021 Outstanding Junior Achievement Recipient



SHEPHERD D. DICK

OUTSTANDING SERVICE AWARD

MDE Theatre Engineering
Theatre Design and Production and
Philosophy Minors



CLAUDIA R. JOHNSON

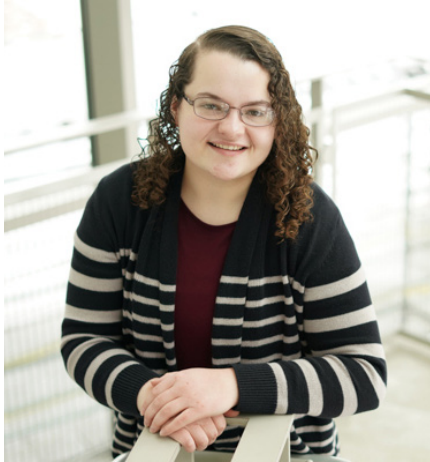
OUTSTANDING SERVICE AWARD

IDES Engineering Science Studies
Medical Humanities Certificate
MDESS President 2021-22

MDESS MEMORIES 2021-22
Game night, ice skating, homecoming and so much more



STUDENT AWARDS OF EXCELLENCE



ASHLEY M. GROOMS

DONALD A. LOREN SCHOLARSHIP

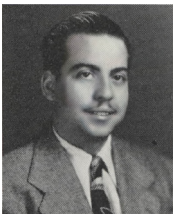
MDE Acoustical Engineering
Mathematics Minor



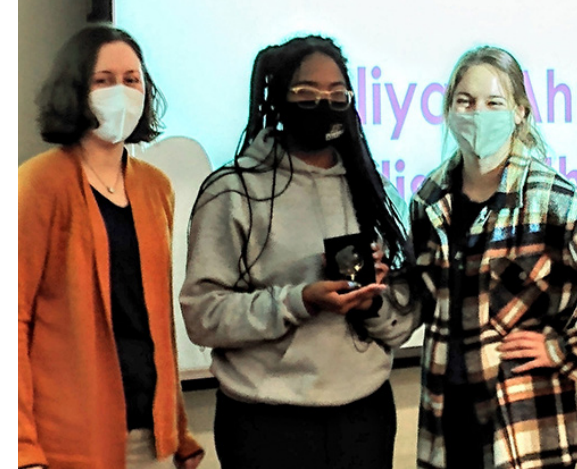
RYAN M. ZIHENNI

DONALD A. LOREN SCHOLARSHIP

MDE Engineering Management
Business Economics Minor



The **Donald A. Loren Scholarship** was established in December 2016 by Jeffery R. Loren and Wendy B. Loren in honor and in memory of their father, Donald A. Loren (BS 1948 Mechanical Engineering). The scholarship supports Multidisciplinary Engineering and Interdisciplinary Engineering Studies students who have demonstrated superior leadership.



**ALIYAH AHMAD and
ELISABETH CASETTI**

GOLDEN GLOBE WINNERS WITH DR. KIRSTEN DAVIS

The Golden Globe award is given to a to a superior Sophomore two person team in the IDE 30100 Professional Development course, for their work on a global design case. Reviewing the case of a fictitious firm, the teams must carefully consider the World Bank Environmental and Social Standard to analyze a wide range of design implications for an engineered product that needs to be built and sold into a remote global location. This case study aims to aid students in better understanding the complex standards and far reaching human, community, biodiversity, economic and environmental considerations that must motivate and may constrain their design aspirations in the global economy in which we live.

HONORING OUR ALUMNI

Division of Interdisciplinary Engineering Studies

OUTSTANDING INTERDISCIPLINARY ENGINEERING ALUMNI

1999-2003

- 1999 **Gregory M. Ayers*** BSE IDE, PRE-MED/PRE-LAW, 1985
2001 **Paul C. Cloyd** BSE IDE, ARCHITECTURAL ENGINEERING, 1976
Sue Hudson-Abreu* BSE IDE, BIOMEDICAL ENGINEERING, 1978
2002 **Michael J. Cave*** BSE IDE, ENGINEERING MANAGEMENT, 1982
David R. Schwind* BSE IDE, INVENTIVE DESIGN, 1974
2003 **Geoffrey T. Crowley*** BSE IDE, TRANSPORTATION ENGINEERING, 1974

**Also Distinguished Engineering Alumni*

2020 IDE OUTSTANDING ALUMNI



LEFT TO RIGHT | Donna Rliey, Arnold Young, Judy Cleland, Jennifer Kerr, Pedro Pires de Miranda, and Mary Pilotte

School of Engineering Education

ENGINEERING EDUCATION OUTSTANDING ALUMNI

2009-2021

- 2021 **Umesh Patel** BSE IDE, GENETIC ENGINEERING, 1986
2020 **Judith Cleland** BS IDE, ENVIRONMENTAL ENGINEERING, 1974
Pedro Pires de Miranda BSE IDE, PRODUCTION ENGINEERING, 1980
Jennifer Kerr BSE IDE, BIOENGINEERING, 1993
Arnold Young BSE ID, ENVIRONMENTAL ENGINEERING, 1973
2019 *Celebrating 50 Years*
2018 **Russell P. Troyer** BS IDE, ENGINEERING MANAGEMENT, 1972
2017 **Brian C. Bosma** BSE IDE, PRE-PROFESSIONAL, CIVIL AND ENVIRONMENTAL ENGINEERING STUDIES, 1981
Thomas A. Gray BSE IDE, ENGINEERING MANAGEMENT, 1974
2016 **Holly Simmons** BSE IDE, ENGINEERING MANAGEMENT, 1998
2015 **Henry A. "Hank" Frissora** BSE IDE, BIOMEDICAL ENGINEERING, 1979
2014 **Rex Carter** BSE IDE, URBAN SYSTEMS AND TRANSPORTATION, 1974
2013 **Stan Jones** BSE IDE, ENGINEERING MANAGEMENT, 1973
Eric J. Schmidt BSE IDE, ENVIRONMENTAL ENGINEERING, 1976
Michael W. Wells BSE IDE, PRE-LAW, 1975
2012 **Leslie Bottorff** BSE IDE, BIOMEDICAL ENGINEERING, 1979
Rick Kosdrosky BSE IDE, COMPUTER ENGINEERING, 1976
2011 **Debra S. Echt** BSE IDE, BIOMEDICAL ENGINEERING, 1973
Raymond Michael Klein BSE IDE, BIOMEDICAL ENGINEERING, 1977
Richard H. Le Sesne BSE IDE, NUCLEAR ENGINEERING, 1975
2010 **Howard J. Gobstein** BS IDE, TECHNOLOGY AND PUBLIC POLICY, 1974
2009 **Harold M. Aberman** BSE IDE, BIOENGINEERING, 1985
Brian E. Farley BSE IDE, BIOMEDICAL ENGINEERING, 1979
Gary C. Horlacher BSE IDE, SYSTEMS ENGINEERING, 1989
Robert F. Sharpe, Jr. BSE IDE, PRE-LAW, 1974
Mary Spiess Smith BSE IDE, ARCHITECTURAL ENGINEERING, 1974



School of Engineering Education

Neil Armstrong Hall of Engineering
701 West Stadium Avenue, Suite 1300
West Lafayette, Indiana 47907
purdue.edu/ene