



ALUMNI AWARDS

INDUCTION CEREMONY

April 23, 2022



Georgia Tech
**College of
Engineering**

2022 INDUCTEES

COUNCIL *of* OUTSTANDING YOUNG ENGINEERING ALUMNI

Patrick T. Biltgen
Alexia B. Borden

Christopher E. Brazell
Keith Hearon

Garrett Langley
Chip Wade

ACADEMY *of* DISTINGUISHED ENGINEERING ALUMNI

Ashlee Townsend Cribb
Dennis M. Frendahl

John Axalla Godbold
Calvin Mackie
Emmy Montanye

Angela Gill Nelms
Carmel Ortiz

ENGINEERING HALL *of* FAME

David L. Bailey
Jennifer P. Bailey
Dwight H. Evans
David Flanagan

Bo Godbold
James G. Pope
Agustin A. Ramirez

Robert M. Torras, Sr.*
Roland M. Touns
Carolyn (Lyn) D. Wylder
Ronald L. Yancey

DEAN'S IMPACT AWARD

Samantha Becker and Shannon Evanchec, TruePani, Inc.

DEAN'S APPRECIATION AWARD

Bill and Penny George

**INDUCTED POSTHUMOUSLY*

the CEREMONY

WELCOME Raheem A. Beyah
Dean & Southern Company Chair

CO-HOST Wonya Lucas, B.I.E. '83
President and CEO, Crown Media Family Networks

STUDENT SPEAKER Sebastián Negrón, EE
Dean's Scholar

INDUCTION Council of Outstanding Young Engineering Alumni
Academy of Distinguished Engineering Alumni
Engineering Hall of Fame
Dean's Impact Award
Dean's Appreciation Award

**ACKNOWLEDGMENTS
& CLOSING REMARKS** Raheem A. Beyah

the MENU

SALAD

Mixed Greens with Grilled Apples

*Mixed Greens and Chopped Romaine, Grilled Granny Smith Apples, Dried Cranberries,
Red Dragon Cheese, Candied Pecans, and Light Honey Mustard Vinaigrette*

PRE-SELECTED ENTRÉE

Filet of Ribeye and Crab Cake

*Grilled Filet of Ribeye with a Seared House-made Crab Cake, Chive Beurre Blanc
Green Bean Bundles with Carrot Ties and Fingerling Potatoes*

Roasted Vegetable Napoleon

*Layers of Roasted Parsnip, Butternut Squash, Red Pepper, and Wilted Spinach
Stacked on a Grilled Portabella Mushroom
Surrounded by Burst Grape Tomatoes and Yellow Pepper Coulis*

DESSERT

Oreo Mousse Pie

Vanilla Cream Mousse and Dark Chocolate Mousse on an Oreo Crust, with Raspberry Coulis

Lemon Meringue Custard

Cherry Compote, White Chocolate Soil, Cherry Coulis, Meringue Kisses, and Lace Tuile

DINNER WINES

Raeburn Chardonnay

Hook and Ladder Cabernet

from THE DEAN

IT IS HARD TO BELIEVE that three years have passed since our most recent College of Engineering Alumni Awards. 2019 doesn't feel like three years ago. It feels more like three decades. The hiatus makes gathering tonight and celebrating our honorees even more special.

This is my first CoE Alumni Awards as dean, a role I began last January. As a native Atlantan who graduated twice from Georgia Tech (master's and Ph.D. in ECE), I couldn't be happier and more honored to lead the College.

The ideas and engineering accomplishments of our alumni continue to amaze and humble me. This evening, we will again be reminded of our graduates' tremendous contributions to society as we hear about their stories and triumphs. We celebrate the many ways this group of alumni has shaped the past and will help define our future. You'll hear about experiences that have taken them across the country and around the world. They've worked on space shuttles. They have founded startups. They lead successful companies. And some of them, especially our hall of famers, truly "got out" — they retired after stellar careers.

This year's honorees are the epitome of Georgia Tech, and I'm humbled to stand among them as members of our alumni community. They are helluva engineers and inspirations. They serve as ambassadors for our students, who are preparing to follow in their lofty footsteps.

Congratulations to this year's honorees. I hope that you enjoy tonight's event.



RAHEEM A. BEYAH

Dean & Southern Company Chair
College of Engineering
Georgia Institute of Technology

from THE PRESIDENT



ÁNGEL CABRERA

President

Georgia Institute of Technology

GREETINGS AND WELCOME to the Georgia Tech College of Engineering Alumni Awards, one of the College's most important celebrations. The College is foundational to the Institute's history and success. In fact, 60% of all Georgia Tech alumni are engineering graduates.

This year's ceremony carries special meaning, as it's been three years since our last; this also marks my first as president.

Dean John A. White established this event in 1994. Ever since, the College has used the occasion to honor the many accomplishments of the Institute's most distinguished engineering alumni. I extend my warmest and most sincere congratulations to tonight's honorees — the inspiration to our younger alumni and our current students. You're also a symbol of Georgia Tech's enduring reputation for excellence and innovation, and a living testament to our mission of developing leaders who advance technology and improve the human condition. Each of you has made a significant impact in your respective fields of expertise, and I am honored and tremendously proud to celebrate those accomplishments.

Thank you for all you have done and continue to do for your own communities and organizations. You are shining examples of everything that is special about being a Georgia Tech Yellow Jacket. You are the reason why the College continues to be recognized as one of the greatest in the world.

Enjoy tonight's ceremony, and Go Jackets!

CO-HOST

Wonya oversees Crown Media Family's portfolio of entertainment brands, including Hallmark Channel, Hallmark Movies & Mysteries, and Hallmark Drama; subscription video on demand service Hallmark Movies Now; and publishing division Hallmark Publishing.

Prior to joining Crown Media in August of 2020, Wonya served as President and Chief Executive Officer of Public Broadcasting Atlanta, overseeing Atlanta's NPR and PBS stations. Previously, she was President and CEO for TV One, becoming the second African American woman to hold those titles at a cable television company. Prior to her work at TV One, she held several positions at Discovery Communications, including Executive Vice President and Chief Operating Officer for Discovery Channel and Science Channel. She also served as Global Chief Marketing Officer, with responsibility for marketing in 210 countries and more than 130 networks.

From 2002-2008, Wonya served as General Manager and Executive Vice President of The Weather Channel Networks. In this role, she was responsible for corporate strategy, strategic marketing, and development for The Weather Channel, Weather Channel radio, and weather.com. Before joining The Weather Channel, Wonya held several positions at Turner Broadcasting System. This included Senior Vice President of Strategic Marketing for CNN.com, CNN radio, and CNN Networks Worldwide. She was also Vice President of Business Operations and Network Development for Turner Entertainment and Vice President of Entertainment Marketing for TNT. Wonya's other professional experience includes brand management roles for The Coca-Cola Company and The Clorox Company. She began her career with Westinghouse Electric as a Product Engineer.

Wonya serves on the Peabody Awards Board of Jurors and the Sundance Institute Board of Trustees. She is also a corporate board member for EW Scripps, and previously for JC Penney. Wonya received her B.S. in industrial engineering from Georgia Tech, as well as an M.B.A. in finance and marketing from The Wharton School at the University of Pennsylvania. She is the proud mother of two adult daughters: Alexis and Sydney Kirton.



WONYA LUCAS

President and CEO
Crown Media Family

student **SPEAKER**



SEBASTIÁN NEGRÓN

Electrical Engineering

Sebastián Negrón is a first-year Dean's Scholarship recipient from Coamo, Puerto Rico, majoring in electrical engineering. Driven by Hurricane Maria and its impact on the power grid, Sebastián is focused on renewable electric energy sources.

With a goal of engaging in energy-related research, Sebastián's dream is starting a renewable energy company to more efficiently harvest energy, while helping to repair, rebuild, and replace Puerto Rico's power grid. At Georgia Tech, he is involved in the Society of Hispanic Professional Engineers (SHPE), The Energy Club, The Hive, and plays for the Club Soccer Team. He is a previous winner in the International Science and Engineering Fair (ISEF).



Council of Outstanding Young Engineering Alumni

The Council of Outstanding Young Engineering Alumni Award recognizes alumni who have distinguished themselves through professional practice and/or service to the Institute, the engineering profession, or society at large. They are on the “fast track” and have made rapid advancement within their organizations, and they have been recognized for early achievements by others within their profession, field, or organization.

PATRICK T. BILTGEN
ALEXIA B. BORDEN
CHRISTOPHER E. BRAZELL

KEITH HEARON
GARRETT LANGLEY
CHIP WADE



PATRICK T. BILTGEN

**B.A.E. '03, M.S.A.E. '04,
Ph.D.A.E. '07**

Principal
Booz Allen Hamilton

Patrick received his bachelor's, master's, and Ph.D. in aerospace engineering from Georgia Tech. As a graduate research assistant in the Aerospace Systems Design Laboratory (ASDL), he developed an approach to simultaneously optimize aircraft technology and tactics using artificial intelligence. Patrick spent six years at BAE Systems where, as the Senior Mission Engineer, he implemented a revolutionary method for data correlation and discovery of the unknown for the National Geospatial-Intelligence Agency. In 2016, Patrick co-authored a textbook on this method: *Activity-Based Intelligence: Principles and Applications*. He served in a technical leadership role for data integration, predictive analytics, and distributed processing programs for multiple government agencies. Patrick is a Principal at Booz Allen Hamilton and Chief Systems Engineer for a big data analytics program in the national security space domain. He also serves on the Board of Directors for the Astronaut Scholarship Foundation. Patrick and his wife, Janel (also a Georgia Tech Ph.D. graduate), live in Clifton, Virginia, where they operate a small vineyard using systems engineering and data analytics principles.



ALEXIA B. BORDEN

B.I.E. '01

Senior Vice President
and General Counsel
Alabama Power

Alexia earned a bachelor's degree in industrial engineering from Georgia Tech in 2001 and a law degree from the University of Alabama School of Law in 2005. She spent a decade in the private practice of law, in addition to a stint as Vice President of Governmental Affairs for Alabama Power Company, the second largest subsidiary of Southern Company. In 2017, Alexia transitioned to her current position as the Senior Vice President and General Counsel for Alabama Power. She is both the youngest person and first woman in the company's history to serve as General Counsel. Alexia sits on numerous nonprofit boards, including the Georgia Tech Advisory Board and the Georgia Tech ISyE Advisory Board. She has been recognized as a "Woman Who Shapes the State of Alabama" and by Yellowhammer News as one of Alabama's most powerful and influential business leaders. She and her husband have two sons.



CHRISTOPHER E. BRAZELL

B.C.E. '01, M.S.C.E. '04

Senior Vice President,
West Georgia Division
EMC Engineering Services, Inc.

Chris received a bachelor's and master's in civil engineering from Georgia Tech. He also holds associate degrees in nuclear engineering, engineering technology, and geomatics from Middle Georgia State University, where he later taught land surveying classes for more than seven years. Chris began his career at EMC Engineering Services, Inc., a full-service civil engineering and surveying consulting firm, in 2002. He is currently the Senior Vice President of the West Georgia Division, where he manages a diverse team of engineers, surveyors, and technicians in six regional offices. He is also a member of the firm's Board of Directors. In 2015, Chris became the firm's youngest Senior Principal Owner. He is one of few dually registered professionals in the industry — a Licensed Professional Engineer in 26 states and a Licensed Professional Land Surveyor in one state. He was named Georgia Engineering Alliance's Young Engineer of the Year in 2010 and Middle Georgia State University's 2017 Outstanding Alumnus by the institution's Alumni Association. Chris is a past member of Georgia Tech's Young Alumni Council and past president of the Columbus, Georgia, Georgia Tech Alumni Network. He is involved in numerous organizations in his local community, including North Columbus Rotary Club, Habitat for Humanity, and Greater Columbus Chamber of Commerce. Chris and his wife, Gillian, reside in Columbus with their two children.



KEITH HEARON

B.M.S.E. '09

Co-founder & CEO
Virex Health and Poly6

Keith graduated from Georgia Tech's undergraduate materials science and engineering program in 2009. After earning a Ph.D. in biomedical engineering from Texas A&M in 2013, he worked as a postdoctoral fellow in Professor Bob Langer's (Moderna co-founders) group at MIT. Keith left MIT in 2016 to work as Co-Founder and CEO of aerospace 3D printing company Poly6 Technologies, which was acquired by a \$40 billion private equity firm in late 2019. In 2020 at the height of the pandemic, he co-founded rapid diagnostics company Virex Health, which was acquired by Sorrento Therapeutics in February 2022. Keith has 12 patents pending or issued in biotechnology and aerospace sectors. He was a finalist in the 2014 U.S. Collegiate Inventors Competition and plans to found multiple companies in the future.



GARRETT LANGLEY

B.E.E. '09

Founder and CEO
Flock Safety

Garrett is a technology entrepreneur with more than 15 years of experience in early-stage companies across banking, automotive, live events, and public safety. He is the CEO of Flock (flocksafety.com), an Atlanta-based startup focused on making communities safer. Flock provides service to more than 1,500 cities and helps police solve more than 3% of crimes nationally. Garrett has raised more than \$220 million in venture capital from YCombinator, A16Z, Matrix Partners, and Founders Fund since founding the company in late 2017. Prior to Flock, Garrett launched Clutch, a monthly car subscription service that provides the perfect car for every day. He also launched Experience (acquired by Cox Enterprises), a mobile technology company focused on helping fans have fun at live events. Garrett serves on the Georgia Tech Alumni Association Board of Trustees and the Athletic Association's Board of Trustees. He lives in Atlanta with his wife, Megan; son, Sumner; daughter, Maren; and dog, Olive.



CHIP WADE

B.M.E. '06

Owner and Lead Designer
Wade Works Creative

Coming from a long line of experienced engineers, carpenters, and craftsmen, Chip began working with his father at an early age — and over the years developed an interest in design and the creation of one-of-a-kind builds. After graduating with a degree in mechanical engineering from Georgia Tech in 2006, Chip focused his attention on building electrical system integrations on fighter aircraft like the F-22 fighter jet and Apache helicopter. He transitioned into media in 2007, lending his carpentry skills to the Atlanta team of HGTV's "Designed to Sell." Since then, he has appeared on numerous national TV shows, including HGTV's "Elbow Room," "Curb Appeal: The Block," and "Ellen's Design Challenge." He has appeared on "Oprah," "Rachel Ray," The Weather Channel, and NBC. Chip is currently producing interactive, user-driven digital experiences for brands and networks in the home and lifestyle category. As an Emmy Award-winning host, designer, and executive producer for networks such as HGTV, FOX, FOOD, and DIY, Chip has become known for his creative direction and innovative problem solving. He represents several national brands as a spokesperson and is the owner and lead designer of Wade Works Creative, offering services in video and digital productions, residential and commercial design, architecture, and building one-of-a-kind amazing stuff. Chip's career is devoted to using his expertise to help people make educated home improvement decisions. Chip resides in North Atlanta with his wife and three children.



Academy of Distinguished Engineering Alumni

The Academy of Distinguished Engineering Alumni Award recognizes alumni who have provided distinguished contributions to the Institute, profession, field, or society at large. Candidates are highly placed executives and are actively involved in engineering, management, industry, academia, or government.

ASHLEE TOWNSEND CRIBB

DENNIS M. FREND AHL

JOHN AXALLA GODBOLD

CALVIN MACKIE

EMMY MONTANYE

ANGELA GILL NELMS

CARMEL ORTIZ



**ASHLEE TOWNSEND
CRIBB**

B.Ch.E. '87

Vice President
Wood Products
PotlatchDeltic

Ashlee earned her bachelor's degree in chemical engineering from Georgia Tech in 1987 at the age of 18. She holds an M.B.A. from Washington University, St. Louis, where she received the Neuwoehner Prize for academic excellence. She is currently the Vice President of Wood Products at PotlatchDeltic, a timberland real estate investment trust (REIT) based in Spokane, Washington. Her professional experience spans several industries, including wood products and chemicals, holding various roles from engineering to business management. Ashlee currently serves on several industry boards and the Oregon State University Wood Science & Engineering Educational Advisory Board. She established the Richard M. Cribb Scholarship in 2013 at Georgia Tech to encourage students demonstrating multidisciplinary entrepreneurship and innovation. Ashlee met Ric on her first day at Georgia Tech in 1984, and they were married shortly after graduation with the Ramblin' Reck in attendance. She is proud to have this legacy at Tech in his memory. Their son, Matthew, received his doctorate in bioengineering from Georgia Tech in December 2021. Ashlee currently resides in Spokane with her husband, Walt Woliver. They enjoy traveling together and spending time on their tree farms in South Georgia.



DENNIS M. FREND AHL

B.I.E. '83

Analytics Consultant, Diageo
Owner, Sage Analytics
Consulting, LLC

Dennis received his bachelor's degree in industrial engineering from Georgia Tech in 1983 and went on to earn his M.B.A. from The University of Chicago in 1988. He then spent his career in the food and beverage industry, primarily in manufacturing and supply chain, working for Frito-Lay, Paragon Consulting Group, The Coca-Cola Company, and Diageo. He also founded Sage Analytics Consulting. An active leader within the Georgia Tech Alumni Association, Dennis served as President of the North Texas Club, founding member of the Mentor Jackets program, and is currently a Treasurer of The Coca-Cola Georgia Tech Network. Dennis hosts an annual golf tournament, now in its 15th year, which has raised more than \$200,000 for scholarships for Georgia Tech students. He currently serves on the ISyE Advisory Board. He and his wife, Lisa, also support Georgia Tech students through their endowment funds.



**JOHN AXALLA
GODBOLD**

B.A.E. '91

President
Bear Head Energy Inc.

John received his bachelor's degree in aerospace engineering from Georgia Tech in 1991. He later earned his master's degree in space systems from the Florida Institute of Technology in 1995 and an M.B.A. from the University of Virginia Darden School in 1998. Immediately after graduating from Georgia Tech, John was a propulsion and operations engineer for NASA at Kennedy Space Center, working on the space shuttle and its payloads, as well as mechanical and propulsion systems for various unmanned rockets. Following his M.B.A., John focused on the development of liquefied natural gas facilities globally, first as a Sr. Vice President with El Paso Global LNG, and then as an entrepreneur and independent project developer. He has been successful in the development of many LNG facilities globally and a large sub-surface natural gas storage facility in Texas. John is currently transitioning an LNG project he developed in Nova Scotia, Canada, into one that will produce green hydrogen and ammonia from renewable power and water. He also serves on the College of Engineering Advisory Board.



CALVIN MACKIE

**B.M.E. '60, M.S.M.E '62,
Ph.D.M.E. '96**

President and CEO
STEM NOLA

Calvin earned his bachelor's, master's, and Ph.D. in mechanical engineering at Georgia Tech. He is an award-winning mentor, inventor, author, former engineering professor, internationally renowned speaker, and successful entrepreneur. In 2013, he founded STEM NOLA, a non-profit organization created to expose, inspire, and engage communities in the opportunities of science, technology, engineering, and mathematics. To date, STEM NOLA has engaged more than 70,000 K-12 students in hands-on, project-based STEM activities. In 2021, he launched STEM Global Action to advance K-12 STEM education around the world. Calvin has won numerous awards, including the 2003 Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring at a White House ceremony. In 2013, he was awarded the highest honor bestowed upon a Morehouse College graduate: A Candle in the Dark's "Bennie" Award. In 2019, he received the Congressional Black Caucus Foundation Board's Chair Phoenix Award. Calvin is a devoted husband to his wife, Tracy, and father to sons, Myles Ahmad and Mason Amir.



EMMY MONTANYE

B.C.E. '82

Principal and Director
Kimley-Horn

Emmy received a bachelor of science in civil engineering from Georgia Tech in 1982 and a bachelor of arts in art history from Wheaton College, Norton, Massachusetts, in 1980 under a dual degree program. She is a Principal and Director with Kimley-Horn, a national engineering and planning firm. Emmy has more than 35 years of civil engineering and project development experience in the Atlanta market for both public-and private-sector projects. Emmy's practice is focused on master planning, entitlements, and sustainable engineering design for projects ranging from complex urban redevelopments to suburban healthcare campuses. Some of her recent projects included the Mercedes-Benz Stadium, SunTrust Park and The Battery Atlanta, Georgia Tech's Coda Building at Tech Square, NCR Corporate Headquarters, College Football Hall of Fame, Piedmont Park Northwood's expansion, and other projects which enhance the places where we live, work, and play. Emmy is Chair of the School of Civil and Environmental Engineering External Advisory Board, a 2016 Georgia Tech Kenneth E. Hyatt Distinguished Lecturer, 2015 Atlanta Business Chronicle Women Who Mean Business recipient, and the 2018 ACEC Georgia Engineering Impact Award recipient. She is married to David Montanye (C.E. '78). They have raised three children, Frances, Tom (C.E. '10), and Harris.



ANGELA GILL NELMS

B.B.M.E. '07

CEO
Forge Fractional

Angela received her bachelor's degree in biomedical engineering from Georgia Tech in 2007 as a single mother with a special needs daughter. She is an experienced entrepreneur with extensive speaking experience in building best-in-class company culture, white glove customer service, and driving leadership, management, and career growth. In 2016, after nine years at Medtronic and Emory, Angela joined Florence Healthcare's founders to develop a novel software to advance cures. At that point, Florence had one customer. It now serves 10,000+ clinical researchers in more than 45 countries. Florence annually receives "Best Places to Work" awards, as well as recognition for being one of "Atlanta's 100 Fastest Growing Private Companies" and "Georgia's Top 10 Most Innovative Companies." Angela retired from Florence in 2021 and started Forge Fractional, where she helps entrepreneurs build sustainable, best-in-class companies. Angela is also co-founder of Recovery Advocate Network, a 501(c)3 founded to address the disparity in resource availability for individuals suffering from mental health disorders, processing disorders, substance abuse, trauma healing, and sexual identity challenges. Angela serves as chair of the BME External Advisory board and is a member of the College's Advisory Board.



CARMEL ORTIZ

B.E.E. '89

Vice President and
Chief Systems Engineer
OneWeb

Carmel received her bachelor's degree in electrical engineering from Georgia Tech in 1989 as a co-op student with the Georgia Tech Research Institute. She is currently Vice President and Chief Systems Engineer for OneWeb, a satellite telecommunications company. OneWeb is launching the first global constellation of 650 low earth orbit (LEO) satellites to connect the unconnected and help bridge the digital divide. Carmel is responsible for the design, development, integration, and test of OneWeb's global, low-latency network. Her efforts ensure the service meets current and future requirements for customers in the aviation, maritime, enterprise, government, and consumer broadband sectors. Her work spans multiple technology areas, including LEO constellation deployment, satellite link design, and 4G/5G/LTE networks. Prior to joining OneWeb, Carmel spent more than 20 years as Co-Founder/ Vice President of Engineering for Skjei Telecom, a satellite systems engineering services firm, where she was responsible for the execution of complex engineering projects on behalf of clients like SiriusXM Satellite Radio, NOAA's National Weather Service, and the Public Broadcasting System (PBS). Carmel is a strong advocate for all things Georgia Tech and is a mentor for engineering professionals in the space and satellite industry. She currently spearheads professional and personal development programs for women and younger engineers at OneWeb.



Engineering Hall of Fame

Membership in the Engineering Hall of Fame is reserved for individuals holding an engineering degree or honorary degree from Georgia Tech. Those selected have made meritorious engineering and/or managerial contributions during their careers.

DAVID L. BAILEY

JENNIFER P. BAILEY

DWIGHT H. EVANS

DAVID FLANAGAN

BO GODBOLD

JAMES G. POPE

AGUSTIN A. RAMIREZ

ROBERT M. TORRAS, SR.

ROLAND M. TOUPS

CAROLYN (LYN) D. WYLDER

RONALD L. YANCEY



DAVID L. BAILEY

B.I.E. '69

Retired
BASF Corporation

David earned his bachelor's degree in industrial engineering from Georgia Tech in 1969 and an M.B.A. from the University of Tennessee. He worked for Eastern Airlines as a co-op during his undergraduate work at Tech. He spent his working career with BASF, with many years in East Tennessee at a large fibers and polymer manufacturing site. David then joined the company's internal consulting team, working to provide North American manufacturing sites with improved internal business processes. After retirement, David continued to provide consulting support to BASF's smaller manufacturing sites in the U.S. and Mexico for 13 years. David has served on the ISyE External Advisory Board. He is married to Jennifer Bailey (B.Cer.E. '70, M.S.Cer.E. '71). David and Jennifer have each provided endowed scholarships for students in their respective engineering schools and estate gift provisions in their wills in support of the schools.



JENNIFER P. BAILEY

B.Cer.E. '70, M.S.Cer.E. '71

Retired
BASF Corporation

Jennifer became a Georgia Tech fan at a young age, attending football games with her father. It sparked her interest in Tech as a destination and engineering as a career. After enrolling in every science class available at her high school, she applied to Georgia Tech and was one of the early coeds on the previously all-male campus. After earning her bachelor's ('70) and master's degrees ('71) in ceramics engineering, she taught pre-engineering classes at Walters State Community College for seven years, sharing her interest in materials, manufacturing, and their applications with students. She then accepted a position with BASF as Process Engineer and worked in both polyester polymerization and nylon staple production. Other positions during her 25-year BASF career included Quality Engineer/Auditor and Regional Account Manager for Pigment Sales in the Northeast. She and her husband, David L. Bailey (B.I.E. '69), both retired from BASF in 2003 and currently live in Tallahassee, Florida. They are loyal and active supporters of Georgia Tech, with 43 consecutive years of giving to Roll Call. Jennifer and Dave have endowed scholarships and have established an estate provision for Georgia Tech. Jennifer has served on both the MSE and College's External Advisory Boards.



DWIGHT H. EVANS

B.C.E. '70, M.S.Env.E. '73

Executive Vice President and
Group President (retired)
Southern Company

Dwight earned his Georgia Tech bachelor's degree in civil engineering in 1970 and his master's in environmental engineering in 1973. He also has a Juris Doctor Degree from the Atlanta Law School and completed the Program for Management at the Harvard University School of Business and the Utility Finance and Accounting Program from the Wharton School of Business at the University of Pennsylvania. Dwight held a number of positions at Georgia Power, ranging from Junior Engineer to Executive Vice President. He was Chairman, President, and CEO of Mississippi Power. He completed his career as Executive Vice President and Group President of Southern Company, where he retired after nearly 40 years of service. Dwight is an emeritus member of the Georgia Tech Foundation and served on the Georgia Tech Alumni Board, the Georgia Tech Advisory Board, and the Georgia Tech Civil and Environmental Engineering Advisory Board. He has contributed to Roll Call for 56 years and has endowed a contribution to Roll Call. He has endowed a scholarship in Civil and Environmental Engineering and is currently endowing a Professorship in Civil and Environmental Engineering. Dwight has served on the Georgia Board of Regents, the Georgia Department of Economic Development Board, the Georgia Regional Transportation Authority, and the Georgia Department of Natural Resources Board. He also served on various boards, including the New Orleans Federal Reserve Board, the Hancock Bank Board, local and state chambers of commerce, and the U.S. Chamber of Commerce. He and his wife, Sharon, have been married for more than 50 years and have two children and six grandchildren.



DAVID FLANAGAN

B.I.E. '76

President and Principal
Elm Street Development, Inc.

David received his bachelor's degree (co-op) in industrial engineering from Georgia Tech in 1976 and his M.B.A. from the University of North Carolina. He is the President and Principal of Elm Street Development, Inc., a residential development firm operating in the Washington, D.C./Baltimore area. He has spent his entire 42-year career at Elm Street, which specializes in creating new communities and has completed more than 250, encompassing approximately 53,000 homes. David served six years on the Georgia Tech Advisory Board and six years on the Georgia Tech Foundation Board. He became a member of the Academy of Distinguished Engineering Alumni in 2004. David and his wife, Ann, have provided endowed scholarships and professorships to Georgia Tech, while also endowing the Outdoor Recreation Georgia Tech program. They reside in McLean, Virginia, and have three sons and two grandchildren.



BO GODBOLD

B.I.E. '65

Vice Chairman
Raymond James Financial, Inc.

Bo is Vice Chairman of Raymond James Financial, Inc. He joined the company in its infancy in 1969, has been a Board member since 1977, and served as President from 1986 until March of 2002. Additionally, he has served on Raymond James Bank's board since its founding in 1994. Raymond James is a diversified financial services holding company with subsidiaries engaged primarily in investment and financial planning, capital markets, and asset management. Through its broker/dealer subsidiaries, Raymond James Financial has approximately 8,500 financial advisors and 19,000 total personnel in more than 2,700 locations throughout the U.S., Canada, and Europe. The company's total client assets are approximately \$1.2 trillion, and this year's market capitalization is \$20 billion. Bo has served as an Emeritus Member of the Georgia Tech Foundation Board of Trustees since 2011 after serving two, four-year terms from 2003 to 2011. He served as the Vice-Chair of the public phase of Campaign Georgia Tech. He also served on the Alumni Association Board of Trustees from 2002 to 2005, the ISyE Advisory Board from 1995 to 1999 (and as an Emeritus Member from 1999 to 2019), his 40th Reunion Committee, and as Chair of his 50th Reunion Committee. Bo has been previously recognized with the Distinguished Engineering Alumnus Award and the Joseph Mayo Pettit Distinguished Service Award.

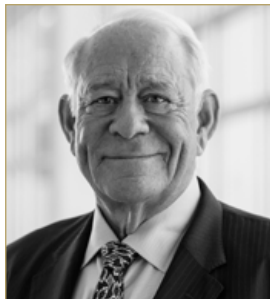


JAMES G. POPE

B.E.E. '65

President and CEO (retired)
Hazlehurst and Associates, Inc.

Jim earned his bachelor's degree in electrical engineering (co-op program) in 1965. He began his professional career as an electrical engineer with E.I. DuPont in Seaford, Delaware, then changed career paths and joined Electronic Data Systems (EDS) in systems engineering. He would eventually become an assistant to the president and later was responsible for accounting, human resources, taxation, and corporate security. In 1975, he joined Hazlehurst & Associates, Inc. (H&A), a regional actuarial consulting firm, as COO and became its president in 1978. After H&A was acquired by Northern Trust, Jim oversaw the integration and developed a successor management team before retiring in 1998. In the early 90's, Jim became Chair of the Georgia Coalition for Science, Technology and Math Education and worked with the Georgia Department of Education to re-write the Georgia math curriculum. After retirement, he became an advisor to the State Department of Education to develop and implement Georgia's Choice, an initiative to improve student performance in low performing schools. His specific responsibility was to recruit recently retired business executives and integrate them into the process of implementing a whole school reform model in 161 elementary and middle schools across the state. He has been a Director of Blackburn and Company, Vice Chair of the Board of the Multiple Sclerosis Foundation of Georgia, member of The Young President's Organization, Trustee of the Georgia Tech Alumni Association, and is currently a member of the CREATE-X Advisory Council. Jim has been married to Dee for 57 years and has a son, daughter, and five grandchildren.



AGUSTIN A. RAMIREZ

B.A.E. '68, M.S.A.E. '69

Chairman
Husco International

Agustin earned his Georgia Tech bachelor's ('68) and master's ('69) degrees in aerospace engineering. He has also earned an M.B.A. from Harvard University ('74), an Honorary Doctorate in Engineering from the Milwaukee School of Engineering ('17), and an Honorary Doctorate in Medical Science ('18) from the Medical College of Wisconsin. Agustin is the Founder and Chairman of Husco International, serving as the company's CEO from December 1985 until July 2011. Under his leadership, Husco has grown from \$20 million to over \$500 million in annual sales. The company has built five manufacturing facilities and three R&D facilities, with a major manufacturing presence in the United States, Europe, China, and India. He and his wife, Rebecca, believe in giving back to the community and have become benefactors to numerous schools and organizations. As strong advocates of quality education, their foundation provides numerous college scholarships and builds Christian schools in Central America, South America, Africa, and the Philippines. Their most significant educational investment is building St. Augustine Preparatory Academy in Milwaukee, opening their doors to the community in 2017. The school currently serves 1,500 students and was named Wisconsin's highest-rated K-12 school in its fourth year of operation. A 900-student expansion and performing arts center is scheduled to be completed in the summer of 2023.



ROBERT M. TORRAS, SR.

B.I.E. '55, B.I.M. '60

Brunswick native Robert (Bob) Miller Torras, Sr. was the son of the late Fernando Joseph Torras, the first of four family members who graduated from Georgia Tech. Bob graduated from Glynn Academy in 1951 as a top student and accomplished athlete, then earned his first Georgia Tech degree — in industrial engineering — in 1955. He would join the Air Force and became a B-47 pilot. Following his honorable discharge, he returned to Georgia Tech and completed a degree in industrial management. Around that time, he also met and married Susan Marten, his wife of 60 years. Together they raised four children: Deborah, Bob, Jr., Maggie, and Brian. Following his second Tech degree, Bob became a serial entrepreneur. Two of his companies were manufacturing operations: Torco, Inc., a Marietta-based manufacturer of precision machined parts, and Kut Kwick Corp., a Brunswick-based producer of large, special-purpose machines for mowing steep slopes and clearing brush for beautification and fire control. Bob had 12 U.S. patents and seven foreign patents on the machines. He designed and built Brunswick Landing Marina, which currently has the largest number of boats of any marina on the Georgia coast. His real estate operations included Atlantic Southeastern Enterprises, Kennesaw Mountain Business Park, and West Point Plantation. Bob also established the Torras Foundation, which supports many community organizations in Glynn and Cobb counties. Bob passed away in 2020 at the age of 86.



ROLAND M. TOUPS

B.M.E. '60, M.S.M.E. '62

Executive Chairman
and CEO (retired)
Turner Industries Group, L.L.C.

Roland retired in December 2021 as the Executive Chairman of Turner Industries Group, L.L.C., a \$3 billion industrial contracting firm that specializes in construction, maintenance, pipe fabrication, equipment, and rigging operations domestically and abroad. Roland had been with Turner for 54 of its 60 years of existence, serving 20 years as Chairman/CEO and overseeing the company's growth from a few hundred employees to more than 20,000 today. He received a USAF commission while at Tech and worked in the early development of the Atlas/Titan Missiles at Cape Canaveral, earning the USAF Commendation Medal. His civic activities include chairing many organizations: the Louisiana State Board of Regents, the Franciscan Health System, Our Lady of the Lake Hospital, the Louisiana Chemical Industry Alliance, the Greater Baton Rouge Chamber of Commerce, Rotary Club, and the Capital Area United Way, to list just a few. Roland served on Georgia Tech President Wayne Clough's Advisory Board, received the annual Dean George C. Griffin Award for outstanding community service, and was selected to the Georgia Tech Academy of Distinguished Engineering Alumni. He has also been elected to the Baton Rouge Business Hall of Fame, the LSU Construction Hall of Fame, the LSU Engineering Hall of Distinction, the Catholic High School Hall of Fame, and was the recipient of the annual "Golden Deeds" Award as Baton Rouge's Outstanding Citizen.



CAROLYN (LYN) D. WYLDER

B.C.E. '75, M.S.C.E. '78

Senior Vice President and Member
of the Board of Directors (retired)
David Evans and Associates, Inc.

Lyn earned her Georgia Tech bachelor's degree in civil engineering in 1975 and master's degree in 1978. She joined MARTA in 1982, serving in various roles, including Chief Civil Engineer and Project Manager for the East Line Expansion. In 1992, she became Chief Engineer for the Massachusetts Bay Transportation Authority in Boston, before rejoining MARTA in 1993 as Assistant General Manager for Transit System Development. She and her team completed hundreds of millions of dollars of construction for the 1996 Olympics. In 1997, she was promoted to Executive Vice President for Operations, Maintenance, and Construction, managing an annual operating budget of \$280 million, capital budget of \$800 million, and a staff of 3,000. In 2000, Lyn went back to private consulting as a Vice President at David Evans and Associates, Inc. In 2004 she was assigned to work with the Federal Transit Administration (FTA) on the 9/11 Recovery Projects in New York City, overseeing the expenditure of \$4.5 billion of federal money as the city struggled to rebuild the transportation infrastructure damaged on 9/11. Lyn's father, Millard Dusenbury (B.Ch.E. '40), brother, Joseph (B.E.E. '66 and M.S.I.C.S. '74), and husband, John Wylder (B.Econ. '73), all graduated from Georgia Tech. She was inducted as a Distinguished Engineering Alumni by the College in 1998 and served on the CEE Advisory Board from 1996 to 2006 (approx.). Lyn is currently the Chair of USRowing's Referee Committee and is an internationally licensed rowing official who has umpired around the world, including at the 2020 Paralympics in Tokyo.



RONALD L. YANCEY

B.E.E. '65

Senior Principal Engineer
(retired)
Engineering Solutions, Inc.

Ronald is a native of Atlanta who attended the public school system and entered Georgia Tech as a transfer student from Morehouse College in September of 1962. He graduated with a bachelor's degree in electrical engineering in 1965 and would later earn a master's degree in the field from George Washington University. His distinguished, 48-year career included positions at the Department of Defense (National Security Agency) and its defense contractors (GTE, BDM, Lockheed Martin and ESi). His first assignments and system developments supported the Vietnam effort and resulted in several draft deferments. Using many cutting-edge technologies, Ronald designed, developed, and deployed systems as a project engineer, program engineer, lead systems engineer, principal systems engineer, and program manager. His duties included program planning and budgeting. As he increasingly progressed in assuming management responsibilities, he received many awards for successful developments/deployments. Throughout his career, he worked in many technical fields, including communications, remote sensing, satellites, orbital mechanics, signal analysis, strategic weapons analysis, and reverse engineering. Ronald has served on the Board of Trustees of the Georgia Tech Alumni Association (2010–2013). He has been a regular supporter of Georgia Tech's Roll Call, with 58 consecutive years of support. Ronald and his wife of 48 years, Sheila, reside in Columbia, Maryland. They have four sons.



Dean's Impact Award

Many College of Engineering alumni have devoted themselves to fostering a more ecologically, socio-culturally and economically sustainable, and equitable global community. The Dean's Impact Award has been established to recognize the efforts of these alumni who are focused on developing globally-relevant, locally-sustainable designs and innovations that meet societal challenges across the world. The College of Engineering is committed to a multicultural, multidisciplinary, sustainable, and international engagement by our students. This award recognizes those graduates who embrace engineering and have a vision to find solutions focused on the world's grand challenges.



SAMANTHA BECKER

B.C.E. '16

CTO, TruePani



**SHANNON
EVANCHEC**

B.Env.E. '16

CEO, TruePani

This year's Dean's Impact Award is presented to the co-founders of TruePani: Samantha (Sam) Becker and Shannon Evanchec.

TruePani is an environmental engineering, communications, and consulting firm focused on protecting public health through reducing lead in drinking water.

Sam and Shannon met on campus in 2015 while working in a water research group. They co-founded TruePani and won the People's Choice Award at the 2016 InVenture Prize. After earning their bachelor's degrees, Sam (civil engineering) and Shannon (environmental engineering) participated in CREATE-X and incorporated TruePani.

TruePani supports state-level governmental clients to implement lead testing programs at schools and childcare facilities. Current projects include statewide programs in Hawaii, Nevada, New Hampshire, and Texas to test for and remediate lead at more than 100,000 drinking water outlets. Through these projects, TruePani aims to provide accessible educational resources to the public about reducing lead exposure in drinking water.

TruePani also helps municipalities, utilities, and water systems achieve compliance with the Lead and Copper Rule revisions. With new and emerging legislation surrounding lead in drinking water, TruePani assists clients in navigating rules and requirements to ensure that lead pipes are identified and properly replaced through their Data Management System and award-winning Locate Your Line tool. TruePani's work has been featured at several industry conferences and events, the Atlanta Business Chronicle, and Fox5 Atlanta.

Shannon serves as TruePani's CEO and recently earned her M.B.A. from the University of Tennessee with a supply chain concentration. Sam, the company's CTO, received her master's degree in public health from the University of Michigan in 2019.



Dean's Appreciation Award

The College of Engineering has many valued supporters who are recognized and appreciated continuously during the course of the ongoing activities in the College. The Dean's Appreciation Award honors those special individuals who have made extraordinary contributions to the advancement of the College of Engineering. The award may go to engineering alumni or to honor individuals who have brought distinction to the College and Georgia Tech.



BILL AND PENNY GEORGE

This year's Dean's Appreciation Award is presented to Bill and Penny George. Bill (B.I.E. '64, Honorary Ph.D. '08) is the former CEO of Medtronic and a Senior Fellow at Harvard Business School, where he specializes in developing authentic leaders. Penny, Ph.D., is a leader in the national movement to transform medicine and healthcare through the principles and practices of integrative medicine.

Together, they founded the George Family Foundation in 1994 to support programs they are passionate about and that transform lives by changing the systems affecting those lives for the better. Their foundation focuses on three primary areas: Penny's passion for integrative health and healing; Bill's passion for authentic leadership; and a shared passion for community. "To see a need — a need that connects with something we understand and can bring resources to make it happen — brings us pure joy," said Penny.

Bill and Penny support Georgia Tech at the Institute level through an \$18.75 million grant to fund the George Tower for the ISyE Building as part of Tech Square Phase 3. They have also established the William W. George International Study Abroad Scholarships and the George Family Foundation Women in Engineering Leadership Initiative in the College of Engineering. Bill and Penny also support several programs in the Stewart School of ISyE, including the George Family Fellowships, the William W. George Chair Endowment in Health Systems, and general program support for health systems.

The couple divides its time between Minneapolis, Minnesota, and Avon, Colorado.

The College is honored to have the support of Bill and Penny and acknowledges their outstanding contributions to ISyE, the College, and the Institute.

College of Engineering School Chairs



MARK COSTELLO

Chair and William R.T.
Oakes Professor,
The Daniel Guggenheim School
of Aerospace Engineering



MACHELLE PARDUE

Interim Wallace H. Coulter Chair,
The Wallace H. Coulter Department
of Biomedical Engineering
at Georgia Tech and Emory



CHRISTOPHER JONES

John F. Brock III Chair,
The School of Chemical and
Biomolecular Engineering



DONALD WEBSTER

Karen and John Huff Chair,
The School of Civil and
Environmental Engineering



ARIJIT RAYCHOWDHURY

Steve W. Chaddick Chair,
The School of Electrical and
Computer Engineering



H. EDWIN ROMEIJN

H. Milton and
Carolyn J. Stewart Chair,
The H. Milton Stewart School of
Industrial and Systems Engineering



NARESH THADHANI

Chair,
The School of Materials Science
and Engineering



DEVESH RANJAN

Eugene C. Gwaltney, Jr. Chair,
The George W. Woodruff School
of Mechanical Engineering



“Ramblin’ Wreck”

I’m a Ramblin’ Wreck from Georgia Tech, and a hell of an engineer
A helluva, helluva, helluva, helluva, hell of an engineer.
Like all the jolly good fellows, I drink my whiskey clear.
I’m a Ramblin’ Wreck from Georgia Tech, and a hell of an engineer.

Oh! If I had a daughter, sir, I’d dress her in white and gold,
And put her on the campus to cheer the brave and bold.
But if I had a son, sir, I’ll tell you what he’d do—
He would yell “To Hell with Georgia” like his daddy used to do.

Oh! I wish I had a barrel of rum and sugar three thousand pounds,
A college bell to put it in and a clapper to stir it ’round.
I’d drink to all good fellows who come from far and near.
I’m a Ramblin’, Gamblin’, hell of an engineer.



History of the Alumni Awards

The College of Engineering Alumni Awards were created in 1994 under the leadership of John A. White during his tenure as dean. He passed the torch to Jean-Lou Chameau, former Georgia Tech provost and engineering dean, whose outstanding service to the College led him to receive the 2006 Dean's Appreciation Award from then-Dean Don P. Giddens, a Tech engineering alumnus. For the next six years, the program would fall under the guidance of Dean Gary S. May, who received his B.S. degree in electrical and computer engineering from Georgia Tech. In 2017, Steven W. McLaughlin was appointed dean and served until 2020, when he was named the Institute's provost. The Awards are now under the leadership of Dean Raheem A. Beyah, a native Atlantan who earned his Georgia Tech master's and Ph.D. degrees in electrical and computer engineering.

Each year, the College of Engineering recognizes select alumni who have contributed to the profession, advanced in their careers, and enhanced the lives of others both personally and professionally. These outstanding alumni are reviewed by committees within each of the College's eight schools and formally submitted for selection.

Special Thanks

Wonya Lucas

CO-HOST

Sebastián Negrón, EE

STUDENT SPEAKER

Eileen Liu

PIANIST

Tyra Grant, BME

Isabella Deras Lopez, BME

William Tyree Edwards, CE

Rachael "Chi Chi" Onyewuenyi, BME

STUDENT VOLUNTEERS

Buzz

Georgia Tech Alumni Association —
Ramblin' Wreck

Georgia Tech Alumni Band

College of Engineering Staff



Georgia Tech
**College of
Engineering**

