Rowan University

HENRY M. ROWAN
COLLEGE OF ENGINEERING

# Alumni Circle of Distinction Induction Ceremony

## October 14, 2023

**Program and Inductee Biographies**

Welcome
**Dr. Giuseppe Palmese**
Dean, Henry M. Rowan College of Engineering

Breakfast

Induction Ceremony

**Christina Bowen, ‘01**
**Mechanical Engineering**

**Anthony Marino, ‘02, M’03**
**Electrical & Computer Engineering**

**Jeff Miles, 02**
**Electrical & Computer Engineering**

**Bryan Nese, ‘04**
**Mechanical Engineering**

**Brad Summerville, ‘01, M’02**
**Civil Engineering**

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The Alumni Circle of Distinction, established in 2023, recognizes Henry M. Rowan College of Engineering alumni with distinguished career accomplishments, contributions to the growth of the college, and service to the community

Circle of Distinction inductees are selected every year based on nominations solicited from faculty, staff, and alumni.

## Christina Bowen, ‘01
## Mechanical Engineering

Christina Bowen is the Competitive Integration and Strategy Leader for Boeing Vertical Lift, focusing on integration of new and improved initiatives into Vertical Lift engineering programs, capability and technology needs assessments, and engineer development and recognition.

Bowen grew up in West Orange, NJ, where inventor Thomas Edison had his laboratories. She was exposed to Edison’s work on school trips and was fascinated by his groundbreaking inventions. Bowen won several local invention and engineering competitions while in school. She was encouraged by her parents, who were enthusiastic about math and science and engaged their three daughters in hands-on science activities.

Bowen chose to study engineering because she knew she could use it to make a positive impact on society. At Rowan University, she was one of only two graduating women in the new mechanical engineering program. The university’s Society of Women in Engineering (SWE) chapter was in its infancy, but she valued having a place to be seen and heard. Bowen received her BS in Mechanical Engineering from Rowan in 2001 and joined Sikorsky Aircraft as a Junior Engineer in H-60 Black Hawk Propulsion Systems.

She earned an MS in Management and MBA from Albert Magnus College in 2005 and Master’s in Project Management from Keller School of Management in 2006. She held positions as a Mechanical Engineer and Senior Systems Engineer at Sikorsky before joining Life Cycle Engineering as a Manager in Requirements Engineering in 2007. Bowen returned to aerospace and joined Boeing in 2008 as a Senior Systems Engineer in the H-47 Chinook program. She served in positions of increasing responsibility before taking her current role in the Vertical Lift Division.

She finds her greatest reward in helping others, especially women, reach their full potential. Bowen helps identify women to nominate for SWE awards, showcasing their achievements. She is active in the Boeing Women Inspiring Leadership business resource group, leads SWE-BWIL partnering projects and is on the Boeing Enterprise SWE Board. Bowen is on the Engineering Diversity Council at the Philadelphia site. She speaks frequently in panel discussions to advise young women about possibilities in STEM careers, and she has established numerous formal and informal mentoring relationships.

Bowen’s husband passed away unexpectedly in 2021, and she is now raising their young son and daughter on her own. Turning tragedy into triumph, she created an engineering scholarship foundation at Rowan University in his name for students who plan to use engineering to better society. In her free time, she enjoys working on her home, spending time in nature and teaching her children about the joys of science, math, and engineering through hands-on experiences.

## Anthony Marino, ‘02, M’03
## Electrical & Computer Engineering

Over the course of 17+ years with Lockheed Martin, Anthony Marino has served in various technical and functional leadership roles with increasing responsibility and span and control. Anthony is currently a Workforce Strategist supporting Lockheed’s Corporate Strategic Workforce Initiatives team. In this role, Anthony supports Business Areas with strategic, innovative, and sustainable pre- and post-employment talent development approaches aligned to today’s talent marketplace. This includes shaping and implementation of skill-based talent development programs and expanding outreach to community and technical colleges for sourcing and developing talent.

Prior to his current role, Anthony was an Engineering Project Manager supporting the Aegis Ballistic Missile Defense (BMD) program portfolio. Anthony was responsible for partnering with Program Management and Chief Engineer organizations to ensure cost, schedule, and technical performance for successful program execution. Marino also led numerous proposal development and cost estimate activities, as an engineering and technology cost lead.

Anthony also has previous experience as a Systems Engineer First Line Manager with functional responsibility for providing people, process, and technology leadership in systems engineering for the Display Applications group to ensure successful execution of the design, development, integration and fielding of complex, large scale systems on multiple US Navy and International programs.

Anthony has led and coordinated numerous employee recruitment and STEM outreach programs, including the establishment of internships, engineering clinics, and collaborative education programs between Lockheed Martin, Rowan University’s College of Engineering and the College of Science and Mathematics. He also spearheaded the development of a neurodiversity hiring pilot, in collaboration with the Rowan PATH program, that has grown year over year. This initiative continues to serve as a hiring model that enables opening of new talent pipelines and advance Lockheed Martin’s inclusionary workforce objectives.

Marino has a demonstrated passion and enthusiasm for the industry and the LM business; and he is continually seeking new ways to leverage his passion and experiences to provide positive impact to cross-functional areas of business.

## Jeff Miles, ‘02
## Electrical & Computer Engineering

Jeff Miles currently serves as the Senior Manager of Gas Engineering and Asset Performance for Delmarva Power, an Exelon Company. Miles brings over 20 years of experience gained from working with multiple Fortune 500 companies. In the early stages of his career, Miles concentrated on enhancing reliability and ensuring the safe operation of petrochemical and utility facilities. His responsibilities included ensuring compliance and meeting production requirements.

In these roles, he designed and retrofitted control and communication systems to reduce downtime and enhance resilience against external events, such as major weather events and fires. Alongside his day-to-day responsibilities, he developed strategic initiatives to proactively address the future direction of the business and the industry, with a focus on considering the long-term impacts on employees, customers, and shareholders.

In his current role, Miles is dedicated to establishing an agile and diverse organization capable of meeting the evolving needs and desires of our customers. He recognizes that the natural gas industry can play a pivotal role in the Path to Clean and net-zero initiatives. A significant part of his work involves collaborating with internal and external partners to ensure his company contributes to this solution. While concentrating on renewable energy and the Path to Clean, Jeff remains committed to enhancing system performance while continuing to provide affordable and top-tier customer service.

Miles has served as the Rowan Engineeing Alumni Council Chairperson for several years and sits on the Rowan Engineering Advisory Council. He has also led a group of alumni who have been reviewing student resumes and doing interview preparation.

## Bryan Nese, ‘04
## Mechanical Engineering

Bryan Nese is a partner in the Intellectual Property group of Mayer Brown’s Washington DC, office. Nese’s practice focuses on complex patent litigation, both in district court and at the International Trade Commission (ITC). He has been a crucial part of trial teams before juries and at the ITC and has assisted in all aspects of discovery, trial preparation, and post-trial filings. Nese has particular expertise in advising clients on how IP assets can fit into an affirmative recovery plan, including strategies for monetizing robust patent portfolios.

A registered patent attorney, he is also well-versed in handling the technical aspects of patent litigation. Nese’s technical experience extends to a broad range of technologies, including computer products and peripherals, image sensors, automotive technology, medical devices, electromechanical devices, and consumer products. During his engineering graduate studies, he conducted combustion research at Penn State’s Propulsion Engineering Research Center. Nese’s research focused on the simulation of homogeneous-charge compression-ignition (HCCI) combustion processes and hydrogen fuel blends in automotive vehicles.

As an undergraduate engineering student, he led multi-disciplinary teams to design and construct devices such as fuel cells, underwater remotely operated vehicles, and guitar effects pedals. In 2004, he graduated magna cum laude from Rowan University with a degree in mechanical engineering. While at Rowan, he earned a presidential scholarship, and was inducted in the Golden Key International Honors Society, Order of Omega, and Tau Beta Pi. Nese was also active member of the American Society of Mechanical Engineers, Alpha Chi Rho Fraternity, and Rowan Radio. He is currently a member of the Rowan Engineering Advisory Council.

## Brad Summerville, ‘01, M’02
## Civil Engineering

Brad Summerville is Vice President of PT Consultants, Inc. (PT), a New Jersey based firm that specializes in environmental consulting services in the Northeast. With over 20 years of environmental experience, he’s a licensed Professional Engineer in Delaware, Pennsylvania, New York, and New Jersey, as well as a Licensed Site Remediation Professional in New Jersey. Summerville founded Summerville Engineering in 2016 to expand into New York.

He’s a former president of both the South Jersey Branch of ASCE and the New Jersey Section, and currently serves as a Region 1 Governor for ASCE. Summerville also chairs the committee on student members and the committee on student conferences and competitions.

Summerville holds bachelor’s and master’s degrees in civil engineering from Rowan University and sits on the Engineering Science Advisory Board of Atlantic Cape Community College. He has been instrumental in mentoring the Rowan CEE students to stay active with ASCE by holding officer positions and being involved in competitions and service activities for communities in need.

In his East Greenwich Township community, Summerville actively volunteers on the Township Environmental Commission, helping it achieve certification as a Sustainable Jersey Community. He now represents the Environmental Commission and the Township on the Planning and Zoning Board. Summerville resides in Mickleton, NJ, with his wife, Erin, and their sons, Jackson and Charlie.

Rowan University

100 YEARS

Since its founding in 1923, Rowan University has evolved from a teacher preparation college to a public research institution ranked among the top 100 in the nation by U.S. News & World Report. Now celebrating its Centennial, Rowan University offers bachelor's through doctoral degrees and professional certificates in person and online to 22,000 students through its main campus in Glassboro, N.J., its medical school campuses in Camden, Stratford and Sewell, and on the campuses of partner community colleges. Rowan focuses on practical research at the intersection of health care, engineering, science and business while ensuring excellence in undergraduate education. The University has earned national recognition for innovation; commitment to high-quality, affordable education; and the development of public-private partnerships. A Carnegie-classified R2 (high research activity) institution, Rowan is the nation's fourth fastest-growing public research university, as reported by The Chronicle of Higher Education.

On Sept. 4, 1923, Rowan University opened its doors as Glassboro Normal School, then a training ground for South Jersey's elementary schoolteachers. A century later, the institution is among the nation's top 100 public research universities—and it's the fourth fastest-growing. Join us for a year of Centennial celebrations including University-wide programming, storytelling, archival photographs and memorabilia, oral histories and more.

Visit rowan.edu/centennial to learn more.