

MEET & GREET

The silhouettes of five people (three men and two women) standing in a row, facing forward. They are positioned to the right of the word 'MEET' and to the left of the word '& GREET'.

AEROSPACE | MECHANICAL | PACKAGING

A social gathering that brings together Students, Faculty, Alumni and Professionals from top companies in Aerospace, Mechanical and Packaging Engineering.

November 7th, 2024

INFORMATION
BOOKLET



Veeco Instruments

Eric Armour

Distinguished Research Scientist, Turbodisc Division



He received his B.S. from University of Pennsylvania, a M.S. from University of Delaware, and a Ph.D. from University of New Mexico, all in Electrical Engineering. Eric joined Emcore Corporation in 1994, collaborating with scientists from NREL and Hughes Spectrolab to commercialize MOCVD growth of the first large-area triple junction III-V compound semiconductor extraterrestrial solar cells that are currently used for satellite power systems. After this effort, Eric led a team to develop an epitaxial foundry business concentrating on As/P-based VCSEL, HBT and p-HEMT wafers at Emcore that are used for mobile and point-to-point communications. Since the acquisition of the Turbodisc MOCVD division of Emcore by Veeco Instruments in 2003, Eric has led a research group developing next-generation MOCVD epitaxial reactor technology and deposition processes. These efforts have focused on commercially viable high productivity, high yield growth processes of GaN and AsP-based material systems for optoelectronics (LED, lasers, solar cells, and detectors), along with GaN-on-Si power electronics applications. Dr. Armour has over 120 refereed publications and 20 issued US patents.

COMPANY AT A GLANCE

INDUSTRY	Semiconductor
HEADQUARTERS	Somerset, NJ
WEBSITE	https://www.veeco.com/
JOBS	https://careers.veeco.com/



LoveMyTech LLC.

Marc Bjorkman

President & Founder



Marc Bjorkman is the President & Founder of LoveMyTech LLC, a technology & aerospace consulting and software development company, along with technology life coaching and UAS (drone) services. He worked as a Lockheed Martin Technical Fellow Emeritus (retired) in satellite communications systems engineer with 35+ years of experience designing satellite communications payloads and providing practical technology innovation and leadership, creative telecommunications systems solutions, effective engineering management, efficient process and product development, comprehensive communications systems testing, and operational end-use of advanced wireless and wired communications systems.

COMPANY AT A GLANCE

INDUSTRY	Software, Technology, and Space Consulting
HEADQUARTERS	Newtown, PA
WEBSITE	https://lovemytech.com/

Merrill Edmonds

Senior Key Expert, Future of Automation group

Merrill Edmonds is a Senior Key Expert in the Future of Automation group at Siemens Foundational Technologies, Princeton, NJ. His research covers IT/OT convergence for manufacturing automation and robotics, with focus on solving end customer use cases through cross-portfolio piloting and pre-development projects. He leads projects in the food and beverage, aerospace, and automotive industries, as well as leading pre-development teams for the company's automation and industrial AI products. Previously, he was a software engineer in the same research group. He received a BSc in Mechanical Engineering from Duke University, NC in 2012 and a PhD in Mechanical and Aerospace Engineering from Rutgers University in 2022.



COMPANY AT A GLANCE

Automation and Robotics	INDUSTRY
Princeton, NJ	HEADQUARTERS
https://www.siemens.com/global/en.html	WEBSITE
https://www.siemens.com/global/en/company/jobs.html	JOBS

Kearfott Corp.



Gerald Feder

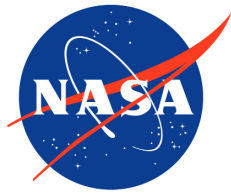
Senior Project Engineer, Guidance & Navigation Division

Gerald Feder completed a 30+ year career at Kearfott's Guidance & Navigation Division as a Senior Project Engineer. He was responsible for the design, development and production of high-accuracy, dynamically tuned gyroscopes utilized for such broad applications as the Space Shuttle, Sounding Rocket program, B-2 stealth bomber, "line-of-sight" systems for the M1A2 Abrams tank, plus various military, commercial and NASA based satellites. He has presented at the CIA and performed on-site source inspections at several miniature precision bearing manufacturers. Prior to Kearfott, he worked at Pratt & Whitney's West Palm Beach facility in the compressor aerodynamics group. Gerald received both his B.S. and M.S. in mechanical engineering from Rutgers and Rensselaer Polytechnic Institute, respectively. He has served on the advisory board since its inception.



COMPANY AT A GLANCE

Guidance and Navigation	INDUSTRY
Pine Brook, NJ	HEADQUARTERS
https://www.kearfott.com/	WEBSITE
https://www.kearfott.com/careers/	JOBS



NASA, Kennedy Space Center

Sergey Galkin

Test Director, Exploration Ground Systems



Sergey received his BS degree in 2010, and ME in 2012 from Rutgers University. Since then, Sergey has been in the aerospace industry and accumulated twelve years of experience in the field. He started out working for Boeing in Seattle on the 777X program then switched to Pratt and Whitney a couple of years later, supporting PW1100G and PW1200G engine models for the A320neo and Mitsubishi Regional Jet aircraft respectively. Shortly after, Sergey transitioned to the space sector, where he supported several programs including the International Space Station, James Webb Space Telescope, and most recently the Artemis Program. Currently Sergey is working as a NASA Test Director in the Exploration Ground Systems branch at Kennedy Space Center in Florida.

COMPANY AT A GLANCE

INDUSTRY	Space
HEADQUARTERS	Merritt Island, FL
WEBSITE	https://www.nasa.gov/
JOBS	https://www.nasa.gov/careers/



Lockheed Martin

Niel Haneman

Retired, Mechanical Engineering Department Head, Missile and Space Division



Niel Haneman is a Mechanical Engineer with 40 years engineering and managerial experience in the aerospace industry as an employee of Lockheed Martin. As an individual contributor, Niel held various roles in Structures, Mechanisms, and Ground Support Equipment design. As a manager, Niel oversaw Integration & Test operations and later the Mechanical Engineering department for the Commercial Space business in Newtown, PA. Niel then transferred to Denver, CO to lead the Mechanical Engineering department for Lockheed Martin's Missiles and Space Division; overseeing more than 600 employees at 7 sites across the United States. Niel's ability to foster productive multi-disciplined teams was recognized with multiple Lockheed Martin team work awards throughout his career. Niel holds a Bachelor of Science degree in Mechanical Engineering from Penn State University, and a Master of Science degree in Computer Information Sciences from LaSalle University. Niel's personal interests include running, golf, flying, and most outdoor activities. Niel recently retired and appreciates the opportunity to share his experience with others interested in careers in the aerospace industry.

COMPANY AT A GLANCE

INDUSTRY	Aerospace, Defense
HEADQUARTERS	Bethesda, MD
WEBSITE	https://www.lockheedmartin.com/
JOBS	https://www.lockheedmartin.com/en-us/careers/index.html

Daimler Truck North America

DAIMLER TRUCK

North America

Martin Hluchy

Detroit Field Sales Engineer

Martin Hluchy graduated from Rutgers University in May 2020 with a Bachelor of Science in Mechanical Engineering, and has spent the last three years working as a Detroit Field Sales Engineer for Daimler Truck North America. In his role, Martin interfaces with over 25 truck dealers and over 200 customers, supporting their businesses with fuel economy analysis, providing training on new products, and acting as the go-to professional between customers and engineering. Prior to his time at Daimler, Martin grew up and worked at his family's farm, and spent his time at Rutgers involved with Rutgers Formula Racing and Rutgers Salsa. Recently, Martin has also returned to Rutgers as an occasional guest speaker, hosting lectures on the heavy trucking industry, and public speaking. He holds an active Class A Commercial Driver's License.



COMPANY AT A GLANCE

Commercial Vehicle Manufacturer
Portland, OR

<https://northamerica.daimlertruck.com/>

<https://northamerica.daimlertruck.com/careers/>

INDUSTRY

HEADQUARTERS

WEBSITE

JOBS

Lockheed Martin



Ken Johnson

Retired, Vice President

Mr. Johnson is a retired Vice President and General Manager of the Lockheed Martin Satellite Operations, where they built 180 satellites, in East Windsor, NJ and in Newtown, PA, where communications payloads, comm equipment, and power systems were built during his career. He has more than 35 years of experience with 20 years in General Management of a very high tech enterprise in a highly competitive field. Specifically, Mr. Johnson led a large organization with components in research, design and development, fabrication, and customer support of complex space systems. Ken established the Industry Advisory Board and has worked with the Department of Mechanical & Aerospace Engineering at Rutgers for 30+ years, helping students achieve their education and career objectives. Mr. Johnson received his BS in Mechanical Engineering from Rutgers University in 1966 and his MS in Engineering Management from the New Jersey Institute of Technology in 1971.



COMPANY AT A GLANCE

Aerospace, Defense
Bethesda, MD

<https://www.lockheedmartin.com/>

<https://www.lockheedmartin.com/en-us/careers/index.html>

INDUSTRY

HEADQUARTERS

WEBSITE

JOBS

INDUSTRY
REPRESENTATIVE



Lockheed Martin

Florette Laurizio

Senior Manager of Global Commercial Business Development, Commercial Communications Space



Florette Laurizio is the Senior Manager, Global Commercial Business Development for Lockheed Martin Commercial Communications Space, where she manages LM's commercial space customer relationships, sales and marketing processes, and operations. Florette has over 40 years of commercial satellite communications industry experience across satellite and service businesses. She has held senior management positions in Business Development, Marketing, Sales, and Capture Management for GEOshare, GE /Martin Marietta Astro Space, and Lockheed Martin Commercial Space. Prior to GE Astro Space, Ms. Laurizio held various management positions in Strategic Planning, Business Development, Marketing, Sales, Contracts Management, and Systems Engineering for GE American Communications, and RCA American Communications. Florette has a Bachelor of Science in Electrical Engineering from Rutgers University College of Engineering and an MBA from Rutgers. For the past 9 years, Florette has worked with the Rutgers MAE Department on the annual Meet & Greet event, and for the last 4 years, has co-chaired this event. She mentors young professionals and students. Florette also served in her local community as President of the Willows Swim Club for 20+ years and volunteers for Southern Comfort Animal Rescue by fostering dogs and co-leading fundraising initiatives.

COMPANY AT A GLANCE

INDUSTRY	Aerospace, Defense
HEADQUARTERS	Bethesda, MD
WEBSITE	https://www.lockheedmartin.com/
JOBS	https://www.lockheedmartin.com/en-us/careers/index.htm



PSEG

Jerry Laurizio

Senior Project Manager, Transmission Projects/Gas/Civil



Jerry Laurizio is the Group Leader overseeing the Gas Capital Projects and Third-Party Relocation Projects groups at Public Service Electric and Gas Company (PSEG). He has over 40 years' experience in environmental, pharmaceutical, consulting engineering and utility industries. He started his career as an engineer and moved into project management at a small environmental consulting firm whose focus was on Site Assessments, environmental remediation and emergency response work for NJDEP and EPA. He then went to a global pharmaceutical firm, Merck & CO., where he started in environmental permitting, moving into operations and then to site capital projects. From there, Jerry went to an engineering consulting firm working on design of capital projects. He then went to PSEG Fossil as a Project Manager working on a broad variety of projects at generation facilities. He moved over to the utility side of PSEG where he currently leads the group managing the rebuilding and upgrades to the gas transmission system and to the metering and regulating stations. Jerry also manages the group responsible for relocating the electric and gas utilities affected by roadway improvement projects. He has both a Master of Science and Bachelor of Science degrees in Chemical Engineering from Rutgers University College of Engineering. He held both Project Management Professional (PMP) and Professional Engineering (PE) Certificates. Jerry has also served on the South Brunswick Environmental Commission for more than 20 years. He has also volunteered for Southern Comfort Animal Rescue and Habitats for Humanity.

COMPANY AT A GLANCE

INDUSTRY	Public Works
HEADQUARTERS	Newark, NJ
WEBSITE	https://corporate.pseg.com/
JOBS	https://jobs.pseg.com/search

Martin Liza

Software Aerospace Engineer

Martin is a software aerospace engineer at the Johns Hopkins Applied Physics Laboratory (JHUAPL), specializing in flight trajectory simulations and developing advanced algorithms and software tools to enhance modeling accuracy and efficiency. Previously, Martin worked at Northrop Grumman, Lawrence Livermore National Laboratory, Raytheon, and Norfolk Naval Shipyard, gaining extensive experience in aerospace and defense projects. He began his career as a materials nuclear engineer before transitioning to modeling, simulation, and software engineering. His work has included high-fidelity, low-fidelity, and real-time simulations, contributing to various projects from defense systems to aerospace applications. Martin holds a B.S. in Mechanical Engineering and Physics from Rutgers University and an M.S. in Aerospace Engineering from Old Dominion University. Currently, he is a Ph.D. candidate in the Aerospace Engineering department at the University of Arizona, expecting to graduate in 2025. His research focuses on hypersonic aero-optics, utilizing open-source computational fluid dynamics tools to advance the understanding of complex aerodynamic phenomena and improve the design of next-generation aerospace vehicles.



COMPANY AT A GLANCE

Research and Development	INDUSTRY
Laurel, MD	HEADQUARTERS
https://www.jhuapl.edu/	WEBSITE
https://www.jhuapl.edu/careers/search-jobs-and-internships	JOBS

JAKTOOL



Cristy Richards

President and CEO

Cristy Richards currently oversees the quality and procurement departments at JAKTOOL and leads consumer healthcare and medical device new business development. Before joining JAKTOOL, Cristy worked for both academic and large corporations supporting biologics and medical devices where she led multidisciplinary teams as the Product Development Engineering Manager for Osteotech, Inc. and as a Principal Sourcing Engineer for Medtronic Spine and Biologics. At JAKTOOL, she established internal Quality Assurance/Metrology Lab and matured the quality system to earn ISO certification, and implemented ERP to streamline workflow and improve efficiency. Cristy holds a B.S. and M.S. in Mechanical Engineering, both from Rutgers University, and an M.B.A. from Monmouth University. She is credited on numerous publications and patents in the medical device industry.



COMPANY AT A GLANCE

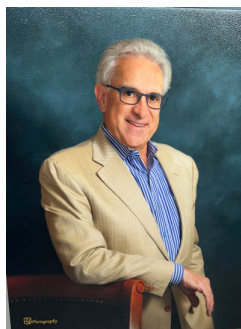
Engineering, R&D, Prototyping	INDUSTRY
Cranbury, NJ	HEADQUARTERS
https://www.jaktool.com/	WEBSITE
https://www.jaktool.com/about-us/careers/	JOBS



Polaris Associates

Carl Marchetto

Founder



Carl A. Marchetto is the founder of Polaris Associates, advisor, board member, and consultant in diverse industries. Senior leadership advisor providing comprehensive business development consulting, strategic planning to a broad range of industry sectors. Later while at Lockheed Martin he served as vice president, New Ventures, Space Systems Company responsible for exploring strategic partnerships and new business models for the Corporation. Previously, Mr. Marchetto served as vice president and general manager, Commercial Space, for Lockheed Martin's Corporation's Space Systems Company. In that role, he was responsible for all commercial business including communication programs, remote sensing programs, A2100 IRAD, wind energy and other advanced technology applications. He's also served as vice president, Business Transformation, for Lockheed Martin's Corporation's Space Systems Company. In that role, he led enterprise-wide initiatives to position SSC to be more competitive. Mr. Marchetto previously worked for Alliant Techsystems (ATK), where he was president of the company's space systems segment. He was also formerly president of the Space Systems Group at Orbital Sciences Corporation; president of the Commercial Imaging Group at Eastman Kodak; and A2100 satellite program director with Lockheed Martin. His early career started at NASA Jet Propulsion Laboratory as group supervisor for the Actuators and Internal Systems. The group developed advanced pointing and tracking systems and planetary inertial-guidance systems for JPL NASA missions. Mr. Marchetto has a bachelor's degree in engineering from Stevens Institute of Technology, a master's degree in mechanical engineering Control Systems from California State University – Los Angeles and is a graduate of the Engineering Management Program at California Institute of Technology.

COMPANY AT A GLANCE

INDUSTRY	Software, Quality
HEADQUARTERS	Leesburg, VA
WEBSITE	https://www.polarisassociates.com/



ASCO, L.P.

Scott Schipper

Engineering Manager, Agency Certifications



I am an engineering manager at ASCO, L.P, a unit of Emerson in Florham Park, NJ (ASCO headquarters, lab and design center). ASCO's main business is electrically operated solenoid and actuated valves for various industrial fluid control applications for installations in ordinary and hazardous (explosive) environments. I have been at "ASCO" since 1994 and manager of our agency certifications group since 2009 (UL, CSA, FM, NSF, ATEX, IECEx all sorts of key product certifications). Prior to ASCO, I was a design engineer for Pratt and Whitney Aircraft engines right after graduating from Rutgers (BSME 1987) from 1987-1994. Most of my time there was designing and qualifying engine external systems (piping and bracketry interfaces). While at Pratt and Whitney, I obtained my MSME from RPI part time utilizing the company paid tuition program.

COMPANY AT A GLANCE

INDUSTRY	Fluid Control
HEADQUARTERS	Florham Park, NJ
WEBSITE	https://www.emerson.com/en-us/automation/asco
JOBS	https://www.emerson.com/en-us/careers

Pennoni Associates



Bob Mellohusky

Engineering Division Manager

Upon graduation from Rutgers in 1983, Mr. Mellohusky began his career in the foundry and steel making industries, first in design/manufacturing and then as an engineering consultant. After about 12 years, he transitioned to the HVAC field working for various consultant engineering firms over the past 30 years. His experience and background in mechanical engineering has focused on HVAC and Utility system design for a broad range of facilities and applications. He has performed and managed the HVAC and MEP design engineering for major facilities, new and existing, throughout all phases of engineering – preliminary through construction. Mr. Mellohusky's project experience includes HVAC design for commercial, industrial, healthcare, pharmaceutical, educational, criminal justice, and government/military facilities. In addition, he has designed HVAC systems employing "green" and sustainable technologies for both LEED and non-LEED facilities, including energy savings projects under the NJ Clean Energy Programs. He has considerable knowledge of HVAC/mechanical design codes and standards and their application. In addition, he has demonstrated skills in both engineering and construction supervision and has extensive field engineering experience. He has served on the RU MAE Industrial Advisory Board since its inception, is the current Mechanical/Energy Chairperson on the NJ DCA Code Advisory Board and has received the American Council of Engineering Companies (ACEC) of NJ "Distinguished Award" in 2010, 2014, & 2019.



COMPANY AT A GLANCE

Consulting	INDUSTRY
Princeton, NJ	HEADQUARTERS
https://www.pennoni.com/	WEBSITE
https://www.pennoni.com/careers/	JOBS

Orbital ATK



Art Neufeld

Retired, Principal Mission Assurance Engineer

Retired, after 40 years in Aerospace and Defense.



COMPANY AT A GLANCE

Aerospace, Defense	INDUSTRY
Dulles, VA	HEADQUARTERS
https://www.northropgrumman.com/	WEBSITE
https://www.northropgrumman.com/careers/	JOBS

INDUSTRY
REPRESENTATIVE



Marotta Controls

Isaac Osbun

Manager, Space Development Lab



Manager of the Space Development Lab at Marotta Controls where I oversee a skilled team of engineers focused on developing and qualifying the latest in fluid controls. Currently the team is working on several pneumatic valves for launch vehicles, satellite applications, and more!

COMPANY AT A GLANCE

INDUSTRY	Aerospace, Valves
HEADQUARTERS	Montville, NJ
WEBSITE	https://marotta.com/
JOBS	https://marotta.com/careers/



JAKTOOL

Justin Russo

Program Manager



Justin is a dedicated Program Manager at JAKTOOL Engineering, specializing in leading high-performance teams to tackle complex challenges. His career has primarily revolved around the defense sector, where he is committed to delivering innovative solutions. He earned his Mechanical Engineering degree from Rutgers in 2017, and since then, He's developed a strong background in precision prototyping, product development, manufacturing process development and quality control. His goal is to contribute to the advancement of technology and the safety and security of our nation.

COMPANY AT A GLANCE

INDUSTRY	Engineering, R&D, Prototyping
HEADQUARTERS	Cranbury, NJ
WEBSITE	https://www.jaktool.com/
JOBS	https://www.jaktool.com/about-us/careers/

NAVAIR



Bharq Shah
Systems Engineer

Currently supporting Aerial Refueling Systems for Naval Air Systems Command as a Systems Engineer.



COMPANY AT A GLANCE

Aerosapce, Defense
Lakehurst, NJ
<https://www.navair.navy.mil/lakehurst/>
<https://www.navair.navy.mil/lakehurst/Join-Our-Team>

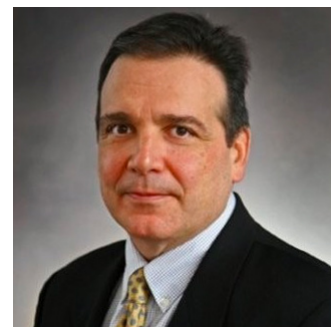
INDUSTRY
HEADQUARTERS
WEBSITE
JOBS

Lockheed Martin



Nicholas Vigilante
Director, Inegration and Test

With over 35 years of industry experience, Mr. Nicholas Vigilante has served as a dynamic aerospace and defense executive leader, directing complex satellite design and construction programs in addition to leading and developing high performing functional organizations. His career has provided him with an expertise in areas ranging from technical design, manufacturing operations, supply chain and product assurance, to business/product development and program management. Nick holds both a B.S. and M.S. in Electrical Engineering, as well as an M.S. in Organizational Dynamics.



COMPANY AT A GLANCE

Aerospace, Defense
Bethesda, MD
<https://www.lockheedmartin.com/>
<https://www.lockheedmartin.com/en-us/careers/index.html>

INDUSTRY
HEADQUARTERS
WEBSITE
JOBS

INDUSTRY
REPRESENTATIVE



DSM-Firmenich

Christian Thorne
Project Engineer



I graduated Rutgers School of Engineering with a BS in Chemical Engineering in 2017. I entered the construction management field with Executrek Systems and worked at different companies as a contracted construction manager for capital investment projects. In 2022 dsm-firmenich hired me as a project engineer to manage capital projects at its liquid flavors and fragrances plant in Plainsboro, NJ. The projects I manage vary in scope and cost based on the evolving needs of the plant.

COMPANY AT A GLANCE

INDUSTRY	Fragrance and Taste
HEADQUARTERS	Maastricht, Netherlands & Kaiseraugst, Switzerland
WEBSITE	https://www.dsm-firmenich.com/en/home.html
JOBS	https://careers.dsm-firmenich.com/en/careers.html



Lockheed Martin

Liz Ludwiason
Senior Systems Engineer, Large Government Software Systems



Previously:
Product Manager at Ravisent/Quadrant International (DVD SW)
Mechanical Systems Engineer at GE Astro Space (Commercial Spacecraft)
Project Engineer at GE MAO (Refueling Equipment)

COMPANY AT A GLANCE

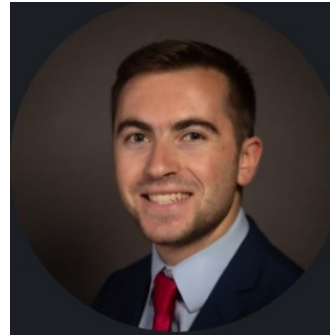
INDUSTRY	Aerospace, Defense
HEADQUARTERS	Bethesda, MD
WEBSITE	https://www.lockheedmartin.com/
JOBS	https://www.lockheedmartin.com/en-us/careers/index.html

Valcor Engineering Corp.



Anthony Scalia
Aerospace Test Engineer

Anthony Scalia is an experienced Aerospace Test Engineer currently working at Valcor Engineering Corporation. Over four years, he has overseen multiple new products introductions from development through to qualification on critical spaceflight and aircraft applications. Graduating in 2020, Anthony holds a Bachelor degree, and is currently pursuing a Masters degree in Mechanical Engineering from the Rutgers School of Engineering.



COMPANY AT A GLANCE

Aerosapce, Valves	INDUSTRY
Springfield, NJ	HEADQUARTERS
https://www.valcor.com/	WEBSITE
https://www.valcor.com/employment/	JOBS

Bristol Myers-Squibb



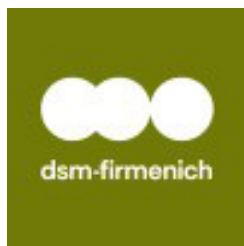
Chanaka Amarasinghe
Innovative Associate Scientific Director

Chanaka Amarasinghe is an innovative Associate Scientific Director at Bristol Myers-Squibb, leveraging AI to streamline drug product development. With a focus on digital transformation, he accelerates efficiency and throughput. Previously, he held key roles at Ethicon, Johnson & Johnson, Becton Dickinson, and Datascope, contributing to the development of groundbreaking medical devices like the Artysan Y mesh and vascular closure devices. Chanaka's expertise in design controls, risk management, and device development is complemented by his academic achievements at Rensselaer Polytechnic Institute, Rutgers University, and Harvard. Recognized for his exceptional contributions, he has received prestigious awards from BMS, Johnson & Johnson, and Datascope. He actively shares his knowledge through presentations and is passionate about the transformative potential of AI in the pharmaceutical industry. Beyond his professional life, Chanaka enjoys tennis, travel, and exploring the world of AI.

COMPANY AT A GLANCE

Pharmaceutical	INDUSTRY
Princeton, NJ	HEADQUARTERS
https://www.bms.com/	WEBSITE
https://careers.bms.com/student-opportunities/	JOBS

INDUSTRY
REPRESENTATIVE



DSM-Firmenich

Marilyn Yasko

Senior Process Automation Engineer



After graduating in 1992 from Rutgers College of Engineering with a degree in Chemical/BioChemical Engineering, Marilyn started at Firmenich, a privately held company that produces flavors and fragrances. Hired as an Automation Engineer, she was trained in process and project engineering; OSHA, ISA, and regulatory standards; safety reviews and troubleshooting, along with automation. This was a novel idea at the time - approaching automation from understanding the process and how it works, rather than electrical and programming side. Marilyn is involved in integrating the automation into the equipment from the beginning of its design. She is a part of working on the safety reviews and how to mitigate potential human errors. She works daily with the plant operators to troubleshoot issues in the plant. The company merged to form DSM-Firmenich in 2023, which adds to its portfolio of human and animal healthcare/nutrition products. "Flavors" now includes products that enhance texture and reduce sugar. Marilyn holds a Professional Engineering License.

COMPANY AT A GLANCE

INDUSTRY	Fragrance and Taste
HEADQUARTERS	Maastricht, Netherlands & Kaiseraugst, Switzerland
WEBSITE	https://www.dsm-firmenich.com/en/home.html
JOBS	https://careers.dsm-firmenich.com/en/careers.html



JAKTOOL

Tom Zamorski

Design Supervisor

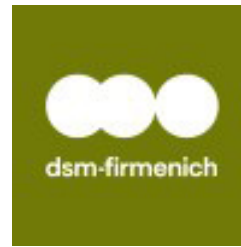


Tom is a design supervisor at JAKTOOL, an engineering consulting company based in Cranbury, NJ. In addition to leading a small team of engineers, his main focus has been on solving engineering challenges in the medical/healthcare industry. Prior to his time at JAKTOOL, Tom had extensive experience designing implants and instruments for trauma and spine surgery. He is also a current Rutgers student (MBS program) and a former DIII athlete, competing in track and field. If you have any interest in becoming an engineer in the healthcare industry or are just looking for advice, please don't hesitate to ask!

COMPANY AT A GLANCE

INDUSTRY	Engineering, R&D, Prototyping
HEADQUARTERS	Cranbury, NJ
WEBSITE	https://www.jaktool.com/
JOBS	https://www.jaktool.com/about-us/careers/

DSM-Firmenich



Clare Lumkong

Director of Sustainability

Ms. Lumkong is an experienced leader in building and integrating sustainability programs. She joined dsm-firmenich in 2021 as the Director of Sustainability. Previously worked with Bristol Myers Squibb (BMS) as the Corporate Global Manager of Sustainability, and prior to that, she worked for Lockheed Martin Space Systems Company for 17 years in various roles at the site and regional level. Her experience involves integrating continuous improvement and systems thinking into sustainability programs on both the site and enterprise-wide level. She believes in building partnerships that drive change in this space and working with colleagues to build a more sustainable future. Clare served on the Board of Directors for the Pharmaceutical Supply Chain Initiative (PSCI), holding positions as Treasurer and Secretary.



COMPANY AT A GLANCE

Fragrance and Taste
Maastricht, Netherlands & Kaiseraugst, Switzerland
<https://www.dsm-firmenich.com/en/home.html>
<https://careers.dsm-firmenich.com/en/careers.html>

INDUSTRY
HEADQUARTERS
WEBSITE
JOBS

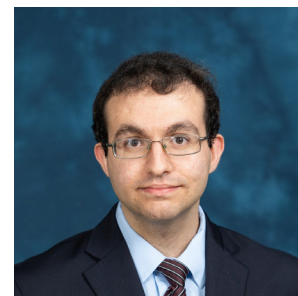
Rutgers University

RUTGERS
School of Engineering

Yossi Cohen

Science Postdoctoral Research Fellow

I received my Bachelor's, Master's, and Ph.D. degrees in Mechanical Engineering from the University of Michigan. My thesis explored industrial artificial intelligence concepts for fault diagnosis, advancing prognostics and health management research for complex manufacturing systems. My research interests include human-centered augmented intelligence, responsible artificial intelligence in industry, and sustainable manufacturing. As a Schmidt AI in Science Fellow, I am currently investigating the intersection of explainable artificial intelligence with uncertainty quantification to improve the reliability of model explanation methods. I aim to construct responsible and human-centered methodologies for intelligent optimization of systems and operations to improve decision-making in industry, with applications to manufacturing, aerospace, and renewable power systems. I will be starting as a professor for Rutgers in January 2025.



COMPANY AT A GLANCE

Piscataway, NJ
www.rutgers.edu
mae.rutgers.edu

LOCATION
UNIVERSITY WEBSITE
DEPARTMENT WEBSITE

Steven Berg
Assistant Professor



Spacecraft and rocket propulsion, propellants and energetics, spacecraft environments and operations, and general applications of plasma chemistry. Dr. Berg's research involves using fundamentals of chemistry and plasma physics to solve problems related to aerospace propulsion and spaceflight. Current research is focused on development and understanding of multimode spacecraft propulsion (using both chemical and electric propulsion), development and analysis of novel propellants, spacecraft operations and logistics featuring propulsion, and plasma chemistry especially of electrosprays for propulsion and other applications such as medicine and manufacturing.

COMPANY AT A GLANCE

LOCATION	Piscataway, NJ
UNIVERSITY WEBSITE	www.rutgers.edu
DEPARTMENT WEBSITE	mae.rutgers.edu

Alberto Cuitiño
Dean of the School of Engineering



Dean Cuitiño is the eighth dean to lead the school of engineering. Under his earlier leadership as professor and chair of the Department of Mechanical and Aerospace Engineering, the department added several new full-time faculty members, established a bachelor's degree in aerospace engineering along with a Master of Engineering degree, and international 3+2 and 4+1 programs. He oversaw the development of graduate certificates in advanced manufacturing, robotics and automation, space, additive manufacturing, and business innovation. Dean Cuitiño also served as the Rutgers site leader in establishing the National Science Foundation (NSF) Engineering Research Center for Structured Organic Particulate Systems (ERC-SOPS). A Fellow of the American Society of Mechanical Engineers, he joined the School of Engineering in 1993. As dean, he will continue to serve as professor of mechanical and aerospace engineering.

COMPANY AT A GLANCE

LOCATION	Piscataway, NJ
UNIVERSITY WEBSITE	www.rutgers.edu
DEPARTMENT WEBSITE	mae.rutgers.edu

Christopher Miller
Teaching Professor

30 + years of experience with industrial and consumer packaging. Significant experience and knowledge in packaging innovation, materials, equipment specification and manufacturing. Have been granted 13 patents related to packaging design, systems, and equipment. Special interests in sustainability, packaging process improvements, and innovation.



COMPANY AT A GLANCE

Piscataway, NJ	LOCATION
www.rutgers.edu	UNIVERSITY WEBSITE
mae.rutgers.edu	DEPARTMENT WEBSITE

Jennifer Lynch-Branzoi
Assistant Teaching Professor

Development of innovative graphene-enhanced polymer matrix nanocomposites, fundamentals to engineering applications, including structural, bio-medical, electronics, and military. Processing-structure-property-performance relations for novel PMCs.



UNIVERSITY AT A GLANCE

Piscataway, NJ	LOCATION
www.rutgers.edu	UNIVERSITY WEBSITE
businessportal.rutgers.edu	DEPARTMENT WEBSITE

Basily Basily
Senior Project Administrator



Dr. Basily has over 40 publications on various topics within the Department of Industrial and Systems Engineering. He also aids the students with their senior design projects in terms of manufacturability.

COMPANY AT A GLANCE

LOCATION	Piscataway, NJ
UNIVERSITY WEBSITE	www.rutgers.edu
DEPARTMENT WEBSITE	mae.rutgers.edu

Assimina Pelegri
Professor, Department Chair



Dr. Assimina Pelegri is a Professor and the Department Chair of Mechanical, Aerospace, and Packaging Engineering at Rutgers. Her research interests include composite materials design, properties characterization, novel methodologies in material modeling, and application of anisotropic material principles in interfacial mechanics. She has developed multi scale material models for characterization of aerospace fibrous composites, as well as models for interface damage evolution in such materials. Her models have also found applications in biological fibrous materials such as brain neurons and have launched research activities in the fields of traumatic brain injury and degenerative diseases.

COMPANY AT A GLANCE

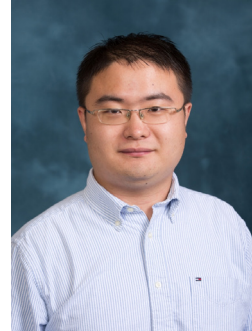
LOCATION	Piscataway, NJ
UNIVERSITY WEBSITE	www.rutgers.edu
DEPARTMENT WEBSITE	mae.rutgers.edu

Xi Gu

Assistant Teaching Professor

With experience in manufacturing, operations research and decision-support systems.

- Stochastic/Probabilistic Models
- Machine Learning/Predictive Analytics
- Monte-Carlo Simulation/Optimization
- Manufacturing Systems/Intelligent Maintenance Systems
- Creativity/Collaboration



UNIVERSITY AT A GLANCE

Piscataway, NJ	LOCATION
www.rutgers.edu	UNIVERSITY WEBSITE
mae.rutgers.edu	DEPARTMENT WEBSITE

Doyle Knight

Distinguished Professor

Development and application of CFD methods for simulation of high speed flows, flow and flight control of high speed vehicles using energy deposition through laser and/or microwave discharge, experimental investigation of shock wave boundary layer interactions, automated optimal aerodynamic design of high speed vehicles and their subsystems including inlets and nozzles, and Guidance, Navigation and Control (GNC) of high speed vehicles.



UNIVERSITY AT A GLANCE

Piscataway, NJ	LOCATION
www.rutgers.edu	UNIVERSITY WEBSITE
ece.rutgers.edu	DEPARTMENT WEBSITE