

RUTGERS DEPARTMENT OF MECHANICAL
& AEROSPACE ENGINEERING



A social gathering that brings together students, faculty, alumni and professionals from top companies in mechanical and aerospace engineering.

Richard Weeks Hall of Engineering
November 7, 2019

INFORMATION
BOOKLET



EFE Laboratories, Inc.

Kip Anthony
President



Kip Anthony is President of EFE Laboratories, an established, solutions based contract manufacturer located in Horsham, PA. Kip's professional experience spans a wide range of industries, including heavy manufacturing/aerospace, food processing equipment, automotive, and aerospace. Among these, he has spent time with Schrader Bridgeport International, BE Aerospace, Cooper Industries, O.S. Kelly Co. (now a subsidiary of Steinway Musical Instruments), and others. In addition to a B.S. in mechanical engineering, Kip holds an MBA (with concentration in finance) from Ohio State and Ashland universities. With more than a decade of service to EFE, and in his current role as President, Kip is the ultimate facilitator of both customer satisfaction and strategic direction for the company.

COMPANY AT A GLANCE

INDUSTRY	Contract Manufacturer
HEADQUARTERS	Horsham, PA
WEBSITE	www.efelabs.com
JOBS	www.efelabs.com/careers/

BAE SYSTEMS

BAE Systems

Jeffery Appel

Navigation and Communications Director and Program Director, NTCDL



For BAE Systems in Wayne, NJ, Jeff is the Navigation and Communications Director and Program Director for the Network Tactical Common Data Link (NTCDL) program. He manages a group of Program Managers that lead projects for our Doppler Navigation, MultiMode Receiver Precision Landing Receiver, Low Probability of Intercept Altimeter and Common Data Link products. He graduated from Hofstra University with a Master's in Business Administration and from Virginia Tech with a Bachelor's in Electrical Engineering.

COMPANY AT A GLANCE

INDUSTRY	Aerospace, Defense
HEADQUARTERS	Farnborough, United Kingdom
WEBSITE	www.baesystems.com
JOBS	jobs.baesystems.com

Veeco Instruments



Eric Armour

Senior Director of Advanced Process Technology

Eric Armour received his B.S. from University of Pennsylvania in 1987, his M.S. from University of Delaware in 1989, and Ph.D. from University of New Mexico in 1994, all in electrical engineering. He joined Emcore Corporation in 1994, where he collaborated with scientists from Spectrolab and the National Renewable Energy Lab (NREL) to develop the first commercial (large-area production) tandem and triple junction As/P extraterrestrial solar cells grown on Ge using metal-organic vapor phase epitaxy (MOVPE). Dr. Armour then became the Director of Research for the newly established Emcore Electronic Materials (now IQE-REF). Eric was appointed the Senior Director of Advanced Process Technology, where he focuses on next-generation GaN reactor platforms. Dr. Armour has contributed to over 100 refereed publications and has 8 US patents.



COMPANY AT A GLANCE

Process Equipment	INDUSTRY
Plainview, NY	HEADQUARTERS
www.veeco.com	WEBSITE
www.veeco.com/company/jobs	JOBS

EFE Laboratories, Inc.



Frank Campanale

Principal/General Manager

Frank Campanale has 25+ years of Management experience as a Board Member, Entrepreneur, and Business Unit Executive for both small and large multinational corporations, He has held the title of General Manager, and a Principal at EFE laboratories, an established, solutions based contract manufacturer located in Horsham, PA.



COMPANY AT A GLANCE

Contract Manufacturer	INDUSTRY
Horsham, PA	HEADQUARTERS
www.efelabs.com	WEBSITE
www.efelabs.com/careers/	JOBS

INDUSTRY REPRESENTATIVE



Siemens Industry Inc.

Richard Caputo
Corporate Account Manager



COMPANY AT A GLANCE

INDUSTRY	Manufacturing
HEADQUARTERS	Munich, Germany
WEBSITE	new.siemens.com/us/en
JOBS	new.siemens.com/us/en/company/jobs



Boeing

Frank Conway
Experimental Test Pilot



Frank Conway has been an experimental test pilot at Boeing for over 7 years. His flight test experience includes: First Flight; envelope expansion; structural demonstration; aerial refueling; shipboard dynamic interface testing; flight loads survey; handling qualities; stability and control; performance; external stores safe separation; external loads certification; natural icing trials; fly-by-wire flight controls development; glass cockpit display design, and systems integration tests

COMPANY AT A GLANCE

INDUSTRY	Aerospace, Defense
HEADQUARTERS	Chicago, IL
WEBSITE	www.boeing.com
JOBS	jobs.boeing.com/

Marotta Controls



Robert DeSimone
Engineer

Robert DeSimone received a Bachelor of Science and a Master of Science degrees from Rutgers University in 2016 and 2019 respectively. While at Rutgers, Rob was an active member of the Rutgers Formula Racing team as the Controls Team Lead. After a successful internship at Marotta Controls in the Space and Weapons Engineering group, Rob accepted a full time position. At Marotta, Rob focuses on design work for Marotta's historical aerospace primes as well as the new space industry. Rob is a key member of Marotta's internship leadership team working on recruiting and mentoring young talent for the engineering team.



COMPANY AT A GLANCE

Precision Control Components and Systems
Montville, NJ
www.marotta.com
www.marotta.com/talent

INDUSTRY
HEADQUARTERS
WEBSITE
JOBS

Zurich



Eric Evdokimoff
Regional Risk Engineering Manager

Eric Evdokimoff is a Risk Engineering Regional Manager who leads the East Team 4 group supporting the Mid-Atlantic territory. He directs the activities for field engineers in his region and is responsible for work assignments, quality compliance, team building, and personnel issues. Eric is also a risk engineering liaison between property engineering and the Philadelphia office underwriting team. He coordinates activities such as the pre-account renewal strategy meetings, prospect account reviews, and general questions.



COMPANY AT A GLANCE

Insurance and Risk Management
Schaumburg, IL
www.zurichna.com/en/risk
www.zurichna.com/en/careers

INDUSTRY
HEADQUARTERS
WEBSITE
JOBS

**INDUSTRY
REPRESENTATIVE**



Roffman Miller Associates Inc.

Mark Frombach
Chief Investment Officer



Mark Frombach is a partner and Chief Investment Officer at Roffman Miller, a Philadelphia-based wealth management firm. Following graduation (Rutgers BSEE, 1988) Mark spent 11 years in factory automation and process controls. The accumulated experience of working at various customer sites throughout the US and globally led him to pursue his next degree (Rutgers MBA, Finance, 1996) and career. Today, Mark leads the investment committee for Roffman Miller and is responsible for over \$1 billion of client assets.

COMPANY AT A GLANCE

INDUSTRY	Wealth Management
HEADQUARTERS	Philadelphia, PA
WEBSITE	www.roffmanmiller.com



EFE Laboratories, Inc.

Jeff Grabner
Manager of Engineering

Jeff Grabner is the Manager of Engineering at EFE Laboratories. He graduated from Drexel University in 2009 with a BS in Electrical Engineering. He has over 15 years of experience with mobile robots, along with 18 years of experience as a mentor in the FIRST Robotics program.

COMPANY AT A GLANCE

INDUSTRY	Contract Manufacturer
HEADQUARTERS	Horsham, PA
WEBSITE	www.efelabs.com
JOBS	www.efelabs.com/careers/

Marotta Controls



Brian Ippolitto

Director, Space and Weapons Engineering

Brian Ippolitto graduated with a Bachelor of Science degree in Mechanical Engineering from NJIT in 2009 and a Master of Engineering degree in Mechanical and Aerospace Engineering from Rutgers in 2011. Brian joined Marotta Controls in 2010 where he started on the engineering team focusing on component design for space applications. In Brian's current role, as the Director of Space and Weapons Engineering, he and his team are focused on continuing to develop new technologies for the aerospace industry. Further, Brian is working with the leadership team to further grow the 3rd-generation family-owned small business in New Jersey.



COMPANY AT A GLANCE

Precision Control Components and Systems
Montville, NJ
www.marotta.com
www.marotta.com/talent

INDUSTRY
HEADQUARTERS
WEBSITE
JOBS

Lockheed Martin



Ken Johnson

Retired Vice President & General Manager

Ken is a retired Vice President of the Lockheed Martin Corporation where he served as the General Manager of the Communications & Power Center located in Newtown, PA, and as the General Manager of the East Windsor, NJ spacecraft design & manufacturing facility. Ken worked in a variety of senior positions in aerospace engineering and technical management in a career spanning 35 years in the development of space-systems, and the management of large, multi-disciplined organizations. He is a member of the Rutgers Board of Trustees, and is the Chair of the Mechanical & Aerospace Engineering Advisory Board. 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
www.lockheedmartin.com
www.lockheedmartinjobs.com

INDUSTRY
HEADQUARTERS
WEBSITE
JOBS

**INDUSTRY
REPRESENTATIVE**



GEOshare, a Lockheed Martin Company

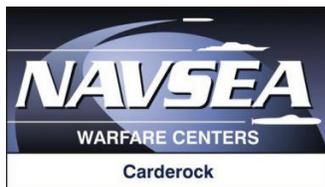
Florette Laurizio
Vice President, Sales and Marketing



Florette Laurizio is the Vice President, Sales and Marketing of GEOshare, a wholly owned satellite company of Lockheed Martin, where she manages GEOshare's customer relationships, sales and marketing processes, and operations. Florette has 35 years of commercial satellite communications industry experience across satellite and service businesses. Previously, Florette held various senior management positions in Business Development, Marketing, Sales, and Capture Management for GE Astro Space, Martin Marietta Astro Space, Lockheed Martin Telecommunications, and Lockheed Martin Commercial Space, and various management positions in Strategic Planning, Business Development, Marketing, Sales, Systems Planning, Contracts Management, and Systems Engineering for GE American Communications, and RCA American Communications. Florette has a MBA and a BS in Electrical Engineering from Rutgers University.

COMPANY AT A GLANCE

INDUSTRY	Satellite Technology
HEADQUARTERS	Tysons, VA
WEBSITE	www.geoshare.com
JOBS	www.lockheedmartinjobs.com



Naval Surface Warfare Center

Alexander G. Perotti
Mechanical Engineer



Alexander Perotti is a Mechanical Engineer for the Naval Surface Warfare Center, Carderock Division. Prior to working full time, Alex held many internships with NAVSEA and worked on a variety of projects, such as conducting a full teardown of a failed Vericor ETF-40B gas turbine. Alex holds a B.S. and M.Eng. in Mechanical Engineering, both from Rutgers University.

COMPANY AT A GLANCE

INDUSTRY	Defense
HEADQUARTERS	Potomac, MD
WEBSITE	www.navsea.navy.mil
JOBS	www.usajobs.gov

BAE Systems

BAE SYSTEMS

Joseph Poli

Engineering Director, Radar Navigation & Networked Communications

Joseph Poli is an Engineering Director for Radar Navigation and Networked Communications at BAE Systems. He holds a BS in Electrical Engineering from NJIT, and a MBA from Rutgers University. Joseph has worked at BAE Systems for over 20 years, and has worked on numerous programs in the Avionics and Communications areas including Tri-service Standoff Attack Missile (TSSAM), Multi-functional Information Distribution System (MIDS), MIDS-On-Ship, Joint Tactical Radio System – Phase 2C (JTRS 2C), Ground Mobile Radio (GMR), and Warfighter Information Network-Tactical (WIN-T). After joining the company as a Systems Engineer, he has held positions of increasing responsibility including Engineering Management positions on the JTRS 2C and WIN-T Programs.

COMPANY AT A GLANCE

Aerospace, Defense **INDUSTRY**
Farnborough, United Kingdom **HEADQUARTERS**
www.baesystems.com **WEBSITE**
jobs.baesystems.com **JOBS**

JAKTOOL

JAKTOOL
ENGINEERED SOLUTIONS

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**
www.jaktool.com **WEBSITE**

**INDUSTRY
REPRESENTATIVE**



Zurich

Anshuni Shah

AVP, Risk Engineering Director

Anshuni Shah is the Risk Engineering Director at Zurich North America. Over her 7 year career with Zurich, Ms. Shah has managed and overseen teams that provide a variety of risk management services to various organizations. She has a B.S. in Chemical Engineering and a Graduate Certificate in Pharmaceutical Technology, both from the New Jersey Institute of Technology.

COMPANY AT A GLANCE

INDUSTRY	Insurance and Risk Management
HEADQUARTERS	Schaumburg, IL
WEBSITE	www.zurichna.com/en/risk
JOBS	www.zurichna.com/en/careers



NJMEP

Rob Stramara

Chief Operating Officer



Rob Stramara serves as Chief Operating Officer of NJMEP. Mr. Stramara has over 30 years of successful experience directing and managing the development and execution of profitable technical engineering projects. He most recently served as General Manager of Thinkpath Engineering Services, LLC where he oversaw all NJ office functions and the execution of projects on a day-to-day basis. Mr. Stramara has substantial experience managing multi-faceted Training and Engineering projects ensuring that deliverables remain on target with contractual, quality, and schedule requirements. Over the course of his career, Mr. Stramara has developed General Engineering and Material Handling Experience as a Designer, Project Engineer, Estimator, Project Manager and Engineering Manager. Mr. Stramara has a Bachelor's of Science degree in Aerospace Engineering.

COMPANY AT A GLANCE

INDUSTRY	Non-profit Organization Management
HEADQUARTERS	Cedar Knolls, NJ
WEBSITE	www.njmep.org

East/West Industries, Inc.



Michael Vetter

Senior Director of Product Development

Michael Vetter is the Senior Director of Product Development at East/West Industries. Holding multiple roles over his 14 years of employment, Mr. Vetter has managed teams that develop industry leading safety and life support equipment in the Aerospace and Defense industry. He also has experience developing innovative and cost effective proposals for his customers. Michael graduated with a B.S. in Mechanical Engineering from Rutgers University in 2005.



COMPANY AT A GLANCE

Aerospace, Defense	INDUSTRY
Ronkonkoma, NY	HEADQUARTERS
www.eastwestindustries.com	WEBSITE
eastwestindustries.applicantpro.com/jobs/	JOBS

PSEG



PSEG

Sergey Wortman-Vayn

Design Engineer

Sergey Wortman-Vayn has 19 years of engineering experience in the energy sector, which includes designing natural gas infrastructure, power plants, and HVAC systems. Currently, Sergey is responsible for managing and execution of the PSEG's federally mandated Distribution Integrity Management Program as well as coordination of the large gas project work with interstate pipeline companies. Sergey is a member of the Rutgers University Mechanical & Aerospace Engineering Industry Advisory Board and participates in the student mentoring program. He is also on the Board of Governors for the Rutgers Engineering Society. Sergey holds a B.S. in Mechanical Engineering from Rutgers University and a M.E. in Mechanical Engineering from Lehigh University.



COMPANY AT A GLANCE

Utilities	INDUSTRY
Newark, NJ	HEADQUARTERS
www.pseg.com	WEBSITE
jobs.pseg.com	JOBS

**INDUSTRY
REPRESENTATIVE**

Yogesh Jaluria

Distinguished Professor, Board of Governors



Dr. Yogesh Jaluria is Board of Governors Professor and Distinguished Professor in the MAE Department. He has served as the Interim Dean of the School of Engineering and as Department Chairman. He received his B.S. degree from the Indian Institute of Technology, Delhi, India, standing first in the Graduating class. He obtained his M.S. and Ph.D. degrees in Mechanical Engineering from Cornell University. He worked at AT&T Bell Laboratories, Princeton, and at the Indian Institute of Technology, Kanpur, India, before joining Rutgers University in 1980. Professor Jaluria has carried out research in several diverse areas, particularly natural and mixed convection heat transfer, enclosure fires, thermal processing of materials, environmental transport processes, and design of thermal systems, among others. He is the author/co-author of nine books in the areas of natural convection, computational methods, optimization, and material processing.

COMPANY AT A GLANCE

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

Dave Magnoni

Director



COMPANY AT A GLANCE

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

Rutgers University
Center for Advanced Energy Systems

RUTGERS
School of Engineering

Siddika Pasi
Associate Director

Siddika Pasi has over 15 years of energy industry experience, focusing on renewable PV energy, energy efficiency and generation technologies. She began her career at the Center for Advanced Energy Systems working on DOE's EERE sponsored Industrial Assessment Center program as field manager for 5 years, and then transitioned to program management for a New Jersey Department of Environmental Protection energy efficiency and pollution prevention program. As Associate Director, she helps support the DOE Industrial Assessment Center Program's Field Management Operations and continues research on Grid Modernization thru Energy efficiency, Variable Energy Resources, Microgrid, DER, Storage and Blockchain technologies. Siddika is a Professional Engineer in the state of New Jersey and a Certified Energy Manager.



UNIVERSITY AT A GLANCE

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

Rutgers University
Corporate Engagement Center

RUTGERS
UNIVERSITY | NEW BRUNSWICK

Sacha Patera
Associate Vice President



COMPANY AT A GLANCE

Piscataway, NJ	LOCATION
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businessportal.rutgers.edu	DEPARTMENT WEBSITE

Assimina Pelegri

Professor, Undergraduate Program Director



Dr. Assimina Pelegri is a Professor and the Undergraduate Program Director of Mechanical and Aerospace 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.com

Emily Sechrist

Senior Mechanical Engineer



COMPANY AT A GLANCE

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

& AEROSPACE ENGINEERING



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Rutgers Mechanical and Aerospace Engineering



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