

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.

February 23rd, 2021

**INFORMATION
BOOKLET**



Thomas N. Farris, Ph.D.
Dean, School of Engineering
Rutgers University - New Brunswick

Thomas N. Farris was named dean of the Rutgers University School of Engineering July 1, 2009, overseeing the School's seven academic departments including ten undergraduate and ten graduate degree programs, five nationally recognized research centers, and administrative, budget, and student services offices. The School is comprised of 200 full-time and research faculty, 100 full-time and research staff members, 3,950 undergraduates, and 1050 graduate students with an annual budget of \$135 million.

Prior to Rutgers, Farris joined the Purdue University School of Aeronautics and Astronautics as assistant professor in 1986 and was appointed school head in 1998. While there he administered undergraduate and graduate education and research programs. In 2009, the school had 30 faculty and approximately 520 undergraduate and 270 graduate students and performed more than \$8.5 million in externally funded research annually. During his tenure at Purdue, Farris had active teaching and research interests in aerospace structures and materials with a focus on tribology, manufacturing processes, and fatigue and fracture and was named the 2008 W.A. Gustafson Outstanding Undergraduate Teacher.

Farris received a B.S.M.E. in 1982 from Rice University and a Ph.D. in Applied Mechanics at Northwestern University in 1986.

Agenda

Welcoming Remarks by Dean Thomas Farris
Introduction by JAKTOOL CEO Cristy Richards
5:00 PM - 5:10 PM

First Session
5:10 PM - 5:40 PM

Second Session
5:40 PM - 6:05 PM

Third Session
6:05 PM - 6:30 PM

Closing Remarks
6:30 PM - 6:40 PM



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/



Veeco Instruments

Eric Armour
Principal Scientist



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

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

Bristol-Myers Squibb



Bristol-Myers Squibb

Matthew Bosco

Associate Director and Senior Engineering Project Manager

Matthew Bosco is the Associate Director and Senior Engineering Project Manager at Bristol-Meyers Squibb. He has held this position for 7 years, and is responsible for the leadership and implementation of engineering capital projects. His projects include the Biologics Development Laboratory Building, the Antibody Drug Conjugate (ADC) Clinical Manufacturing Facility, and the High Containment GMP Kilo Lab Facility. Matthew graduated from Rutgers University with a BS in Mechanical Engineering.



COMPANY AT A GLANCE

Pharmaceutical	INDUSTRY
New York, NY	HEADQUARTERS
www.bms.com	WEBSITE
www.bms.com/ca/en/job-seekers	JOBS

L'Oreal

L'ORÉAL

Rowena Burke

UP Director

Rowena Burkle is the Director of Manufacturing at the L'Oréal USA Piscataway Plant. She graduated from Stevens Institute of Technology with a Bachelor and Master of Engineering in Mechanical Engineering. From there, she joined L'Oreal and has been with the company for 10 years. She has held various roles in within L'Oreal in the areas of manufacturing supply chain, project engineering and production management in the L'Oréal Franklin and Piscataway, NJ sites. Rowena also spent a year abroad in a corporate operations performance improvement role in Paris, France.



COMPANY AT A GLANCE

Manufacturing	INDUSTRY
New York, NY	HEADQUARTERS
www.loreal.com/en/usa/	WEBSITE
www.loreal.com/en/careers/	JOBS

**INDUSTRY
REPRESENTATIVE**



Siemens Industry Inc.

Richard Caputo
Corporate Account Manager



Richard Caputo is a Corporate Account Manager at Siemens Industries Inc. During Rich's 30+ years with Siemens, he has held roles as Application Engineering Manager, Forward Engineering Manager, Sales Director Industrial Applications, and National Account Manager. In his current role, Rich oversees the sale and delivery of Siemens portfolio of products and solutions globally to one of Siemens' key customers in the chemical industry. Rich graduated with a BS in Mechanical Engineering from Rutgers University.

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/

Lockheed Martin



Thomas Daniels

Director, BMD Chief Engineer at Lockheed Martin

Thomas Daniels is a Director and BMD Chief Engineer at Lockheed Martin. He has held this position for the past 8 years, prior to which he was the Naval Combat Systems Chief Engineer for 8 years. Tom graduated with a BSEE from Drexel University in 1985, and received a MSEE from Drexel University in 1991.



COMPANY AT A GLANCE

Aerospace, Defense	INDUSTRY
Bethesda, MD	HEADQUARTERS
www.lockheedmartin.com	WEBSITE
www.lockheedmartinjobs.com	JOBS

Northrop Grumman



Frank DeMauro

Vice President and General Manager

Frank DeMauro is the Vice President and General Manager of Tactical Space Systems at Northrop Grumman. He has been with Northrop for over 29 years, holding positions such as Vice President of Engineering, Senior Program Director, and VP of Human Space Systems. Frank graduated from Rutgers with a BS in Mechanical Engineering in 1988.



COMPANY AT A GLANCE

Aerospace, Defense	INDUSTRY
Falls Church, VA	HEADQUARTERS
www.northropgrumman.com	WEBSITE
www.northropgrumman.com/careers/	JOBS

**INDUSTRY
REPRESENTATIVE**

Dimitri Dovas

Attorney



Dovas Law was founded in 2006 as a Professional Corporation with a focus on intellectual property matters. We work to meet the needs of domestic and foreign clients, including corporations, law firms and individuals, who seek to protect ideas and innovation in varying fields and technologies. Dimitri Dovas received his Juris Doctor from Rutgers Camden School of Law and his Bachelor of Science, with honors, from Rutgers College of Engineering. He is admitted to practice law in Pennsylvania and New Jersey and licensed to prosecute patent applications before the United States Patent and Trademark Office.

COMPANY AT A GLANCE

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



Belcan

Floyd Emmons

Retired

COMPANY AT A GLANCE

INDUSTRY	Aerospace, Defense
HEADQUARTERS	Cincinnati, OH
WEBSITE	www.belcan.com
JOBS	www.belcan.com/employment/



Gerald Feder

Senior Project Engineer (Retired)

After graduating from Rutgers with a B.S. in mechanical engineering, Mr. Feder launched his career as a compressor aerodynamics analytical engineer working for Pratt & Whitney in West Palm Beach, Florida, with frequent travel to their East Hartford, Connecticut, location. After pursuing and earning his M.S. in mechanical engineering from Rensselaer Polytechnic Institute in Troy, NY, he accepted a position with Singer-Kearfott (now Kearfott Corporation, Guidance and Navigation) in Little Falls, NJ, as an engineering specialist in the inertial components group, focusing on the design, development and manufacturing of high-accuracy, dynamically tuned gyroscopes.



COMPANY AT A GLANCE

Aerospace	INDUSTRY
Woodlawn Park, NJ	HEADQUARTERS
www.kearfott.com	WEBSITE
www.kearfott.com/careers/	JOBS

L’Oreal



Emily Hesselbacher

Director of Manufacturing

Emily Hesselbacher is the Director of Manufacturing at L’Oreal, where she has been working for over 8 years. Prior to her employment, she had two co-ops with L’Oreal as well, for Packaging Engineering and Performance Improvement. Emily graduated from the Stevens Institute of Technology with a Bachelor of Engineering in Biomedical Engineering.



COMPANY AT A GLANCE

Manufacturing	INDUSTRY
New York, NY	HEADQUARTERS
www.loreal.com/en/usa/	WEBSITE
www.loreal.com/en/careers/	JOBS



Medtronic

Robert Honneffer

Retired Executive V.P. Global Operations



Robert Honneffer served as the Executive Vice President of Global Operations for Osteotech (acquired by Medtronic), a medical technology company. As VP, he was responsible for all aspects of a 180-person aseptic allograft U.S. tissue processing operation.

COMPANY AT A GLANCE

INDUSTRY	Medical Technology
HEADQUARTERS	Dublin, Ireland
WEBSITE	www.medtronic.com
JOBS	www.medtronic.com/us-en/about/careers



Lockheed Martin

Ken Johnson

Retired Vice President



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

INDUSTRY	Aerospace, Defense
HEADQUARTERS	Bethesda, MD
WEBSITE	www.lockheedmartin.com
JOBS	www.lockheedmartinjobs.com

JAKTOOL

JAKTOOL
ENGINEERED SOLUTIONS

Jeff Kinsberg

Chairman / COO / Founder

Jeff Kinsberg is the COO and Founder of JAKTOOL, an engineering, product development and precision prototyping company based in Cranbury, NJ. JAKTOOL is comprised of engineers, project managers and craftsmen who deliver competitive advantages to their clients. For 25 years, he's grown JAKTOOL from his home garage to a 10,000+ square ft comprehensive product development and precision prototyping company. Today, Jeff oversees business development for military and aerospace clients managing projects with budgets over \$5M USD. He has led the successful completion of 1500+ projects for the United States Department of Defense.



COMPANY AT A GLANCE

Engineering, R&D, Prototyping
Cranbury, NJ
www.jaktool.com

INDUSTRY
HEADQUARTERS
WEBSITE

L'Oreal

L'ORÉAL

Eileen Laramee

AVP Human Resources

Eileen Laramee is the AVP of Human Resources at L'Oreal, where she has been working for over 7 years. She has over 20 years of HR management experience leading the human resources function including policy development and implementation, recruitment, benefits administration, coaching, training, union relations. Eileen graduated from Montclair University with a B.A. in Economics and Paralegal Studies.



COMPANY AT A GLANCE

Manufacturing
New York, NY
www.loreal.com/en/usa/
www.loreal.com/en/careers/

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



Bristol-Myers Squibb

Bristol-Myers Squibb

Clare Lumkong

Manager, Global Sustainability



Clare Lumkong is the Manager of Global Sustainability at Bristol-Myers Squibb. As the Go Green Program Manager, Clare was responsible for leading cross functional teams throughout the Space Systems Company to integrate Go Green strategies into operations and drive progress toward more sustainable opportunities. Clare is Treasurer on the Board for the Pharmaceutical Supply Chain Initiative. She graduated from Rutgers with a B.S. in International Environmental Studies in 1989.

COMPANY AT A GLANCE

INDUSTRY	Pharmaceutical
HEADQUARTERS	New York, NY
WEBSITE	www.bms.com
JOBS	www.bms.com/ca/en/job-seekers

INDUSTRY REPRESENTATIVE

L'Oreal

L'ORÉAL

Mathieu Pouliot

Performance Improvement Director

Mathieu Pouliot is the PIM Performance Improvement Director for L'Oreal. He previously served as the Director of Production for L'Oreal in Montreal, Canada for 3 years, before working in Piscataway, NJ. Mathieu graduated from Université Laval with a Bachelors in Chemical Engineering in 2001, before earning his MBA from Université du Québec à Trois-Rivières.

COMPANY AT A GLANCE

Manufacturing
New York, NY
www.loreal.com/en/usa/
www.loreal.com/en/careers/

INDUSTRY
HEADQUARTERS
WEBSITE
JOBS

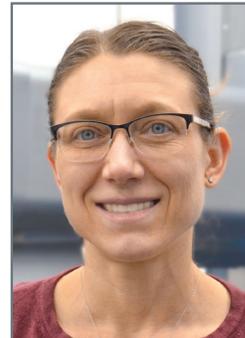
JAKTOOL

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
Cranbury, NJ
www.jaktool.com

INDUSTRY
HEADQUARTERS
WEBSITE

INDUSTRY
REPRESENTATIVE



ASCO, L.P.

Scott Schipper

Engineering Manager, Agency Approvals



Mr. Scott Schipper is an engineering manager at ASCO Valve, Inc., Florham Park, New Jersey. For the past 3 years, he has been serving as manager of agency approvals and certifications. He has been with ASCO Valve since 1994. Prior to ASCO Valve, from 1987 to 1994, Mr. Schipper was a senior design engineer with Pratt and Whitney Aircraft Division of United Technologies, East Hartford, CT, where he worked on various jet engine projects including the PW4000 series engine derivative which was eventually launched on the Boeing 777.

COMPANY AT A GLANCE

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



Parsons Corp

Gregory Schneck

Vice President of Strategic Initiatives



Gregory Schneck has over 30 years of experience with Picatinny and CECOM. He is a certified PMP with numerous awards for achievements in program management and R&D innovation, two of which are the 2006 NDIA Top 5 Program Award and the 2007 US Army Research and Development Achievement Award. Gregory graduated from Rutgers with a B.S. in Mechanical Engineering in 1984.

COMPANY AT A GLANCE

INDUSTRY Defense
HEADQUARTERS Centreville, PA
WEBSITE www.parsons.com
JOBS www.parsons.com/careers/

Northrop Grumman

NORTHROP GRUMMAN

Robert Stoya

Senior Principal Engineer

Robert Stoya has been designing and supporting the manufacture of launch vehicles with Orbital ATK for 14 years. He graduated from Rutgers in 1994 and moved to Arizona. In Phoenix, Robert began working as a semiconductor manufacturing equipment design engineer. He has been a co-creator for four patents for his semiconductor equipment innovations.



COMPANY AT A GLANCE

Aerospace, Defense **INDUSTRY**
Falls Church, VA **HEADQUARTERS**
www.northropgrumman.com **WEBSITE**
www.northropgrumman.com/careers/ **JOBS**

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

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

**INDUSTRY
REPRESENTATIVE**

Alberto Cuitino
Professor, Chair



Dr. Alberto Cuitino is a Professor in the Mechanical and Aerospace Engineering Department at Rutgers University and is currently serving as Department chair. He has served as a Site Leader of the NSF Engineering Research Center for the Structured Organic Particulate Systems, He received a Civil Engineering Diploma from the University of Buenos Aires, Argentina, in 1986, and an MS degree in Applied Mathematics, as well as a Ph.D. in Solid Mechanics from Brown University in 1992 and 1994 respectively. His research interests include advanced manufacturing of pharmaceuticals, material modeling, computer simulations, and granular materials.

COMPANY AT A GLANCE

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

Edward DeMauro
Assistant Professor



COMPANY AT A GLANCE

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

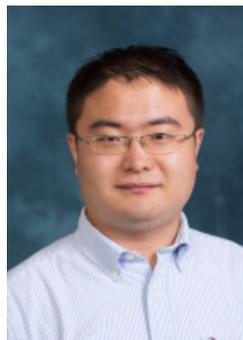
Rutgers University

RUTGERS

School of Engineering

Xi Gu

Assistant Teaching Professor



COMPANY AT A GLANCE

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

LOCATION
UNIVERSITY WEBSITE
DEPARTMENT WEBSITE

Rutgers University
Mechanical and Aerospace Engineering

RUTGERS

School of Engineering

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.



UNIVERSITY AT A GLANCE

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

LOCATION
UNIVERSITY WEBSITE
DEPARTMENT WEBSITE

ACADEMIA AND
ADMINISTRATION

Jonathan Singer
Assistant Professor



Jonathan Singer's primary research interest is the generation of hierarchically structured materials via scalable micro/nanomanufacturing processes to incorporate the extraordinary properties of nanostructures into complex geometries. This is accomplished through combinations of "bottom-up" and "top-down" lithographic techniques. Previously, Jonathan conducted his doctoral research at MIT's Department of Materials Science and Engineering focusing on hybrid laser direct write lithography for phoxonic metamaterials and completed a Postdoctoral Associateship at Yale University's Department of Chemical and Environmental Engineering primarily researching the nanoimprint of photovoltaic materials and bulk metallic glass alloys. He has been recognized by the Materials Research Society through their Silver Graduate Student Award and was recently named a Yale Scientific Teaching Fellow.

COMPANY AT A GLANCE

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

& AEROSPACE ENGINEERING



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RUTGERS
School of Engineering



DOVAS LAW P.C.
An Intellectual Property Firm

L'ORÉAL



Medtronic



Rutgers Mechanical and Aerospace Engineering Student Association
Rutgers Mechanical and Aerospace Engineering



RUTGERS
Mechanical and Aerospace
Engineering

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(848) 445-2248