# **Cornell Engineering**



### ECC ACTIVE MEMBERS 2018

Please send directory updates to Debbie Guisado (dg60@cornell.edu).



NADINE AUBRY (Cornell Ph.D. '87 ME) Northeastern University

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Nadine Aubry is University Distinguished Professor and Dean of the College of Engineering at Northeastern University, and is an expert in fluid mechanics. She was elected to the National Academy of Engineering (NAE), the American Academy of Arts and Sciences and the National Academy of Inventors, and is a fellow of the American Physical Society, the American Society of Mechanical Engineers, the American Association for the Advancement of Science and the American Institute of Aeronautics and Astronautics. She currently serves as president of the International Union of Theoretical and Applied Mechanics, Section Secretary of the NAE mechanical engineering section, vice chair of the NAE Bernard M. Gordon Prize for Innovation in Engineering and Technology Education Selection Committee, on the NAE Membership Policy Committee, and on the International Council for Science. In the past, she chaired the APS Division of Fluid Dynamics, the U.S. National Committee for Theoretical and Applied Mechanics and the NAE's Frontiers of Engineering Education Committee. She was the recipient of the 2017 G.I. Taylor Medal of the Society of Engineering Science. Prior to joining Northeastern, Aubry was head of Mechanical Engineering at Carnegie Mellon University.



**JOHN V. BALEN** (Cornell B.S. '82 EE, MBA '86)

#### **CANAAN PARTNERS**

2765 Sand Hill Road Menlo Park, CA 94025 415-515-5553 jbalen@me.com John Balen is a partner at Canaan Partners, an early-stage technology and health care venture capital firm. With more than 30 years in venture capital and technology startups, he has served as the lead investor and board member for numerous technology startups including: Commerce One, Echopass, eStamp, Everdream, ID Analytics, Intraware, Rightpoint, SilverRail Technologies and SOASTA. He currently serves on the boards of Blurb, Cardlytics, Switchfly and UrbanSitter. Prior to joining Canaan Partners in 1995, Balen was a managing director at Horsley Bridge Partners, a multi-billion private equity firm where he was responsible for investing in venture capital partnerships and aspiring technology companies. Prior to his investment career, he was an engineer with Digital Equipment Corporation and Codenoll Technology. He currently serves as an advisory council member for the Samuel Curtis Johnson Graduate School of Management, Cornell Engineering – Electrical and Computer Engineering, Entrepreneurship at Cornell and Cornell Silicon Valley.



DANIEL S. BERNSTEIN

(Cornell B.S. '70)

# ALEXANDER WOLF & SON

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1070 Park Avenue New York, NY 10128 212-972-1740 DBernstein@ awolfandson.com Daniel S. Bernstein is the owner of Alexander Wolf & Son, a general contracting firm specializing in interior renovations in New York City. The company was founded in 1905 by Daniel's grandfather. They have upgraded and modernized many of the city's iconic buildings including Rockefeller Center, the Empire State Building, the original World Trade Center and the United Nations campus. Daniel is a member of the Board of Trustees of the Solomon Schechter School of Manhattan, the Park Avenue Synagogue, the Jewish Homecare Network, and the Affinity Insurance Company. Daniel is now in the midst of training his two children both of whom graduated from Cornell, Peter '03 B.S. from the College of Engineering and MBA from NYU '06 and Michelle '07 B.A. from the College of Arts and Sciences and MBA University of Miami '12 to be the fourth generation of family owners of Alexander Wolf & Son.



**NAJIB S. CANAAN** (Cornell EE '86, M.Eng. Nuclear Eng '87)

# MARINUS CAPITAL ADVISORS, LLC

19 Old Kings Highway South, Suite 330 Darien, CT 06820 203-567-6401 Najib.Canaan@Marinus-Cap.com Najib Canaan serves as the Founding Managing Partner and Chief Investment Officer of Marinus Capital Advisors. Prior to Marinus, Canaan was a Managing Director and Head of Structured Finance at GSO Capital, Managing Director and Head of Structured Products at Brevan Howard, Executive Managing Director and Co-Head of International Fixed Income at Nomura Securities International, and Co-Head of Fixed Income (Europe) for Nomura International PLC. Prior to Nomura, Canaan was a Managing Director and Principal with Donaldson, Lufkin and Jenrette (DLJ). Holding several positions in research and trading, he established the Special Situations desk within the MBS Group at DLJ, and was responsible for structuring and trading non-performing, under-performing and re-performing securitized assets. From 2003 to 2006, Canaan served on the Executive Board of the Bond Market Association. He is a former member of the Cornell University Council, a member of the Engineering College Council, and the National Co-Chair of the President's Circle. He also serves on the Advisory Council of the Buck Institute, and is a Board member of Toktumi (Line2) Inc. He holds a Bachelor of Science Degree in Electrical Engineering (1986) and a Master of Engineering Degree in Nuclear Engineering (1987) from Cornell University.



LANCE R. COLLINS

(Ex Officio Member of the Council)

#### **CORNELL UNIVERSITY**

College of Engineering 242 Carpenter Hall Ithaca, NY 14853-2201 607-255-9679 engineering\_dean@ cornell.edu Lance R. Collins is the Joseph Silbert Dean of Engineering. He served as the S. C. Thomas Sze Director of the Sibley School of Mechanical and Aerospace Engineering from 2005 to 2010. He joined Cornell in 2002, following 11 years on the Chemical Engineering faculty at Pennsylvania State University. Collins was part of the Cornell leadership team that won the bid to partner with New York City to build a new campus focused on innovation and commercialization in the tech sector on Roosevelt Island. His research combines simulation and theory to investigate a broad range of turbulent flow processes, including the motion of aerosol particles in turbulence, mixing and chemical reactions in turbulent flames, turbulent breakup of drops and drag reduction due to polymer additives. He is a fellow of the American Physical Society, chairs the U.S. National Committee on Theoretical and Applied Mechanics, and serves on the Division on Engineering and Physical Sciences, the latter two committees operating under auspices of the U.S. National Academies.



**FRANK DECOSTA** 

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#### FINNEGAN, LLP

901 New York Ave. NW Washington, DC 20001-4413 202-408-4012 frank.decosta@finnegan. Frank A. DeCosta III, J.D., Ph.D., is a partner at Finnegan, LLP. He is former head of the firm's 130 member electrical and computer technology practice group and a member of the firm's management committee. DeCosta has significant experience in patent litigation, client counseling, and providing opinions related to computers, electronics, software, medical devices, and information systems. Most of DeCosta's cases have involved technology related to his previous research, academic training, and work experience at Bell Labs and The Mitre Corporation. He has managed patent enforcement and defense activities for clients in the United States, Europe, and Asia. As a first chair litigator, he directed litigation teams that obtained jury and bench judgments of more than \$100 million.



**MICHAEL EVEN** 

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# NUMERIC INVESTORS

21 Smith's Point Rd. Manchester, MA 01944 203-550-0917 MichaelEven@yahoo.com Mike Even is chairman of Man Numeric ("Numeric"), which he joined in 2006 and served as President and CEO until 2016. Prior to joining Numeric, Even worked for Citigroup for nine years building a global asset management organization. After Citi merged with Travelers, he became global CIO of the Private Bank and eventually, global CIO for Citigroup Asset Management, overseeing investment teams running nearly \$500B in client assets. Prior to joining Citigroup, Even spent 13 years at Independence Investment Associates in Boston. He received a Bachelor of Arts degree in economics, a Bachelor of Science degree in operations research from Cornell University and a master's degree in business from the Massachusetts Institute of Technology. Mike is a CFA charterholder and currently serves on the investment committees of the Massachusetts Pension Reserves Management Board and the Trustees of the Reservation.



**GREGORY J. GALVIN** (Cornell M.S. '82 MSE, Ph.D. '84, M.B.A. '93)

### RHEONIX INC. AND MEZMERIZ INC.

10 Brown Rd., Ste. 103 Ithaca, NY 14850 607-257-1242, ext. 110 ggalvin51@gmail.com Greg Galvin is President and CEO of Rheonix, Inc., which produces fullyautomated, molecular diagnostic systems for clinical and applied markets. He is also President and CEO of Mezmeriz, Inc., an early stage threedimensional imaging company. In addition, Galvin is Executive Chairman of Incodema3D, Inc., a metals additive manufacturing company. Until 2013, he was the President and CEO of Kionix, Inc., a Cornell technology MEMS company that he co-founded in 1993. Galvin currently serves on the boards of Rheonix, Mezmeriz, Incodema3D, the Ithaca Sciencenter and the Boyce Thompson Institute. He served on the Cornell Board of Trustees from 2011 to 2015; he also serves on the Cornell Materials Science and Engineering Advisory Council and on the Entrepreneurship at Cornell Advisory Council. In 2010 Galvin was a regional Ernst & Young Entrepreneur of the Year Award winner. He was honored by Cornell as the 2014 Cornell Entrepreneur of the Year. Galvin has a B.S. in Electrical Engineering from the California Institute of Technology. His oldest son Thomas is in the class of 2019 in the Cornell College of Engineering.



**RANA GLASGAL** 

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Rana Glasgal has nearly 20 years of experience in higher education administration. She is currently the Associate Vice Provost for Institutional Research and Decision Support at Northeastern University, facilitating institutional decision making by providing integrated analysis and research. Prior to holding this position, Rana spent over 18 years at Stanford University, most recently as Assistant Vice President for Workforce Analytics, designing and promoting the use of analytics for decision making in academic human resources. Before Stanford, she was a consultant with Decision Focus Incorporated. Rana just concluded her term as an alumni-elected trustee on the Cornell Board of Trustees and is a life member of the Cornell University Council. She is currently a member of the Cornell Alumni Advisory Board, a member and former chair of the CAAAN Advisory Committee, and a Cornell Class of '87 class officer. She is a member of CAAAN and a former General Chair for the Northern California region. She has served as a director of the Cornell Alumni Federation and as a member of the Ways and Means Committee. Rana holds her B.S. and M.Eng. from Cornell in Operations Research.



**KENT E. GOKLEN** 

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#### **GSK BIOPHARM R&D**

Mailstop UE0550 709 Swedeland Road PO Box 1539 King of Prussia, PA 19406 610-270-4793 kent.goklen@gsk.com Kent Goklen is the Director of Downstream Process Development at GlaxoSmithKline Biopharm R&D in King of Prussia, PA, with responsibility for the process development, scale-up and tech transfer of purification processes for biopharmaceuticals. Kent joined GSK in 2008, after retiring from the Merck Research Laboratories, where he had led a team in the BioProcess R&D organization. Since joining GSK, he has contributed to the development of two recently licensed biopharmaceuticals, Eperzan/Tanzeum® and Nucala®. While at Merck, he played a key role in the development and demonstration of manufacturing processes for Mevacor/Zocor™ and Cancidas.® Kent has a B.S. from Cornell University and M.S. and Ph.D. degrees from MIT, all in Chemical Engineering. Kent is a Fellow of the American Chemical Society, where he is active in the Division of Biochemical Technology, and is Adjunct Professor of Chemical and Biomolecular Engineering at Cornell University.



**KEN GOLDMAN** 

(Cornell B.S. '71 EE)

#### **HILLSPIRE**

701 First Ave. Sunnyvale, CA 94089 415-342-2495 kgoldman5@gmail.com Ken Goldman is the former chief financial officer of Yahoo! and now president of Hillspire, a family office. He was previously CFO of Fortinet. He also served as senior vice president, finance and administration, and chief financial officer of Siebel Systems, Inc., Excite@Home Corporation and Sybase, Inc. He currently serves on the board of directors of NXP Semiconductor, Yahoo! Japan, Trinet, GoPro, Inc. and several private companies. Goldman was a member of board of trustees of Cornell University from 2005 to 2013 and was designated as emeritus trustee. He was formerly a member of the Treasury Advisory Committee on the Auditing Profession and was appointed a member of the Public Company Accounting Oversight Board's Standing Advisory Group ("SAG"). Goldman holds a B.S. in electrical engineering from Cornell University and an M.B.A. from the Harvard Business School.



**ANDREA IPPOLITO** (Cornell B.S. '06 BE,

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#### **CORNELL UNIVERSITY**

521 Ridge Road Lansing, NY 14882 339-234-0164 akippolito@gmail.com Andrea Ippolito is the executive director of the Engineering Management Program at Cornell University. She recently completed a role as the innovators network director at the Department of Veterans Affairs and she previously served as a Presidential Innovation Fellow at the VA Center for Innovation based out of the White House Office of Science Technology Policy and General Services Administration. She previously was a Ph.D. student in the Engineering Systems Division at MIT, cofounder of Smart Scheduling, Innovation Specialist at the Brigham & Women's Hospital Innovation Hub, and co-leader of MIT's Hacking Medicine. She also served as a product innovation manager at Athena Health and completed her M.S. in engineering and management at MIT. Prior to MIT, Ippolito worked as a research scientist within the Corporate Technology Development group at Boston Scientific. She obtained both her B.S. in biological engineering in 2006 and Master of Engineering in biomedical engineering in 2007 from Cornell University.



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555 Twin Dolphin Drive, 5th Fl., Redwood Shores, CA 94065 650-801-5000 kevinjohnson@quinnemanuel.com Kevin Johnson, who has an electrical engineering degree from Cornell, is a partner at Quinn Emanuel Urquhart and Sullivan, LLP. He serves as lead counsel for Fortune 500 companies and start-ups including Samsung, Salesforce, Twist Bioscience, Twitter, Sony, Blackberry, Lifesize and Fitbit. His practice focuses on litigating patent infringement, antitrust and trade secret cases in federal and state courts as well as the International Trade Commission. His skills as a patent trial lawyer have been recognized by publications such as Chambers USA, which listed him as a top California Intellectual Property Patent lawyer in 2016, and the Daily Journal, which named him a "Top IP Lawyer in California" for 2016. In 2016, he was also named "Technology MVP" by Law360. Johnson also serves as a Trustee of SFMOMA and on the governing board of the Woodside School District.



**MICHELE A. KALISKI** 

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#### **PUBLIC SERVANT**

813 Carrie Court McLean, VA 22101 781-492-3313 makaliski@gmail.com Michele A. Kaliski brings three decades of practical experience investing in students, innovation, and public service. After graduating from Cornell, Kaliski studied as a General Motors Fellow at MIT. Her master's thesis outlined an innovative strategy for empowering employees in improving factory operations, a basis for her work as a manufacturing engineer at GM's Harrison Radiator and a competitive analysis engineer at A.C. Rochester. After starting a family, Kaliski turned her career attention to public service, organizing and fundraising for student programs in the arts and athletics. In the past decade, she's shifted focus to the college level, pursuing investment opportunities at MIT's Division of Student Life. At Cornell, Kaliski has worked with the ECE Department to establish and organize its Innovation Award Competition. Now entering its fourth year, the competition has funded a number of remarkable student teams, the members of which are well underway in their own impactful careers.



WILLIAM R. LaFONATINE, JR. (Cornell M.S. '88,

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# INTERNATIONAL BUSINESS MACHINES

1101 Kitchawan Road Yorktown Heights, NY 10598 914-945-1200 lafont@us.ibm.com William LaFontaine is a recognized leader in the areas of technology licensing, technology partnerships and intellectual property. In his current role as general manager of Intellectual Property at IBM, LaFontaine and his team work at the intersection of research, business units and clients to accelerate market introduction of new technologies including cognitive computing. LaFontaine is responsible for annually delivering over a billion dollars in joint development, technology transfer and patent licensing. In his 28-year career at IBM, LaFontaine has been the chief operating officer for IBM's Research Division, general manager of global technology services in the Middle East and Africa as well as general manager of worldwide semiconductor and technology sales.



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DR. MARCUS H. LOO (Cornell B.S. '77 EE, MD '81 (Weill))

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JONATHAN M. LUDWIG

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### BARCLAYS CAPITAL

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Ivan Lustig is the managing partner of Dover Madison Capital Management, a private equity firm focused on mid-market North American companies. Lustig has more than 30 years of experience as an investment banker specializing in mergers and acquisitions and financings having worked on over \$200 billion of transactions. He was most recently a senior managing director at Duff & Phelps and was, prior to that, head of M&A in the Americas for The Royal Bank of Scotland, and head of M&A in North America for predecessor firm ABN AMRO. Lustig graduated from Cornell University as a Knight Scholar. Lustig is an advisory board member of Cornell's Financial Engineering Graduate Program and a board member of ARIF, a private foundation. Lustig is also cochairman of the Museum of the Moving Image.



JAMES M. MCCORMICK

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# FIRST MANHATTAN CONSULTING GROUP

90 Park Avenue New York, NY 10016 212-455-9102 jmccormick@fmcg.com Jim McCormick is chairman and co-founder of First Manhattan Consulting Group and FMCG Direct. During McCormick's more than three decades of serving financial institutions, he has focused on strategy, marketing and financial analysis. Along the way, he has authored over 50 white papers on banking and built relationships with many C-level executives and board members. He has given testimony to the U.S. Senate Banking Committee and has appeared over 200 times as a speaker before various industry groups. He has appeared on several television venues and been quoted in publications including The Wall Street Journal, The New York Times, Institutional Investor, The Economist, Forbes and Fortune. McCormick's philanthropy is focused on education. He is a board member of Mercy College, the Engineering College at Cornell University, and previously served as a national board member of Teach for America.



#### **AVINASH MEHROTRA**

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Avinash Mehrotra is a partner of Goldman Sachs & Co. LLC and a senior member of the Investment Banking Division. He is currently global head of the Financial Institutions Mergers & Acquisitions business. Previously, he was co-head of the Mergers & Acquisitions Shareholder Advisory practice. Mehrotra joined Goldman Sachs in 1996 as an associate in the Mergers & Acquisitions Group, and subsequently transferred to the Technology, Media and Telecommunications Group in 2002. From 2010 to 2011, he led the firm's investment banking business for the Middle East and North Africa. He returned to New York in 2012 and headed the Real Estate, Gaming and Lodging Mergers & Acquisitions business. Prior to joining the firm, he held various positions at Intel, Morgan Stanley and McKinsey & Company. He currently serves on the board of trustees of Horace Mann School and the Hunter College Foundation. Mehrotra earned a B.S. in electrical engineering from Cornell University in 1991 and an MBA from Stanford University's Graduate School of Business in 1996. He and his wife, Anjali Sadarangani, live in Mamaroneck with their son, Sajan, and daughters, Amiya and Naina.



# DONALD E. MOREL, JR., PH.D.

(Cornell M.S. '83 MSE, Ph.D. '84)

#### WEST PHARMACEUTI-CAL SERVICES, INC. (RETIRED)

Progenitor Capital Partners LLC 79 East Ashland Street Doylestown, PA 18901 610-202-5339 dmorel22@verizon.net Dr. Morel recently retired as Chief Executive Officer of West Pharmaceutical Services, Inc., where he served in that position since April 2002 and Chairman of the Board since March 2003. He joined West in 1992 as Director of Research and Development and was promoted to Vice President R&D in 1993. In this role, Dr. Morel spearheaded West's efforts to develop novel and propriety drug delivery technologies. In 1998 he was promoted to Group President, heading sales, marketing and operations of West's medical device and pharmaceutical components business globally. In 1999, Dr. Morel became President of the new Drug Delivery Division and in April 2001, President and Chief Operating Officer. His aerospace work in the 1980s resulted in his selection as a finalist for assignment as a NASA Mission Specialist in the Astronaut Office in 1989. Dr. Morel holds a B.S. degree in Engineering from Lafayette College, an M.S. in Materials Science and a Ph.D. in Materials Science and Veterinary Medicine from Cornell University.



#### **HOWARD L. MORGAN**

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**KYLE M. MORK** (Cornell B.S. '02 ChE)

#### **GREYLOCK ENERGY**

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**RICHARD T. ONG** 

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#### **RRJ GROUP**

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**DAVID PEREZ** 

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### PALLADIUM EQUITY PARTNERS

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**JAMES RICOTTA** 

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#### **SIGHTPATH CAPITAL**

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SUSIE KIM RILEY

(Cornell B.S. '87 ECE)

#### **AQUTO**

375 Highland St. Weston MA 02493 508-494-4790 sriley@aquto.com Susie Kim Riley is a serial entrepreneur. With multiple successful exits behind her, her latest venture is Aquto, where as the Founder and CEO, she is changing the way consumers connect via mobile by enabling users to use apps, view videos and other content without impacting their data plans. Aquto's mission is to democratize mobile connectivity worldwide by making it more accessible and affordable through data sponsorships. Prior to Aquto, Riley was the CMO of Tekelec (acquired by Oracle) where she was responsible for strategy and technology direction. Riley came to Tekelec through the acquisition of Camiant, where as the Founder and CTO, she pioneered the field of policy control – the technology used to manage all cellular data connections on smartphones. Riley has held senior leadership positions at a number of other successful startup companies including Broadband Access Systems, Maker Communications and Proteon. She holds a bachelor of science in Electrical Engineering from Cornell University, and has authored 50 issued patents.



#### **TONY SATTERTHWAITE**

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#### **CUMMINS, INC.**

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#### **DANIEL S. SIMPKINS**

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Molly Tschang is founder and CEO of Abella Consulting, a New York-based leadership development and business advisory consultancy that helps senior management teams lead as one cohesive and collaborative unit. Prior to launching Abella, Tschang held executive leadership positions at Cisco Systems and U.S. Filter, where she led the integration of over 80 acquisitions as well as consulting and business development roles at Deloitte and IBM. She gained deep expertise in helping senior leaders navigate rapid change and uncertainty in high-growth environments. Molly holds a B.S. in chemical engineering from Cornell University and an MBA from UCLA with a focus on entrepreneurship. She served as executive director for NetHope and serves on the Cornell Engineering College Council as well as the board of advisors of Relief International. An advocate of social enterprise, Tschang provides pro bono strategic advisory services to Community Solutions, Three Dot Dash, and the NYU Reynolds Program for Social Entrepreneurship. In 2017, Tschang was selected from among 12,000 applicants to be a protégé of Marshall Goldsmith through his 100 Coaches initiative.



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