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CORNELL ENGINEERING

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



ELIZABETH J. ALTMAN
(Cornell B.S. '88 ME)

**HARVARD BUSINESS
SCHOOL**

Wyss House
Soldiers Field
Boston, MA 02163
617 548-2512

ejaltman@alum.mit.edu

Elizabeth J. Altman is a doctoral student in Management at the Harvard Business School. Previously, Altman was vice president of business development in Motorola's Mobile Devices business. For 18 years, she served in various executive and leadership positions, including roles in industrial design, product development engineering, manufacturing, marketing, and strategy. Altman's main areas of expertise include business and innovation strategy, business development, M&A, equity investing, developing and managing strategic alliances and technology licensing. Altman earned dual graduate degrees in mechanical engineering and management as a fellow in MIT's Leaders for Manufacturing Program. She earned her undergraduate degree in mechanical engineering from Cornell University and serves on the Cornell University Board of Trustees and the President's Council of Cornell Women.

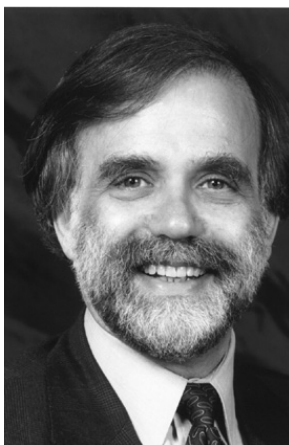


KENNETH E. ARNOLD
(Cornell B.C.E. '63)

WORLEYPARSONS

3031 Shadowdale
Houston, TX 77043
713 332-3205
[Ken.Arnold@](mailto:Ken.Arnold@WorleyParsons.com)
WorleyParsons.com

Kenneth E. Arnold was the founder and CEO of Paragon Engineering Services in Houston. In 2005, the company was sold to AMEC plc, a U.K.-based international project management and services company, and Arnold retired in 2007. He is co-author of two textbooks, several chapters in technical books, and more than 50 technical articles. Arnold has been active in the Society of Petroleum Engineers as the first technical director of facilities and construction, the editor of the facilities portion of the *Petroleum Engineering Handbook*, a distinguished lecturer, and is currently vice president of finance. He is a member of the National Academy of Engineering, and a member of the board of the Academy of Medicine, Engineering, and Science of Texas. He is now a senior technical advisor to WorleyParsons, a worldwide project management and consulting firm.



JAMES BECKER
(Cornell B.S. '65 CE;
M.S. '67)

SKANSKA AB

253 Summer Street
Boston, MA 02210
617 293-7704
jim.becker@skanska.com

James M. Becker is a corporate senior vice president of Skanska USA Building, part of Skanska AB, a global construction company. He is responsible for overseeing the consulting services of this unit and serves as an account manager with several clients in the higher education market. He recently finished an assignment with Skanska AB for intra-business unit information sharing. Previously, Becker was the president and CEO of Beacon Skanska Inc. (now Skanska's New England office), which was sold to Skanska by Beacon Properties in 1997. Several of Becker's projects, including Sage Hall at Cornell, have been awarded the national AON "Build America" Award, one of the construction industry's highest honors. He was a professor in Civil and Environmental Engineering and the Center of Real Estate at MIT.



RONALD D. BLACK
(Cornell B.S. '86 MSE,
M.S./Ph.D. '90)

UPEK

95, Rue de Prony
75017 Paris
France
33 (0) 608 81 36 13
ron.black@mac.com

Ron Black resigned as CEO of Wavecom in March 2009, after Sierra Wireless acquired the company in a friendly takeover announced in December 2008. Founded in 1993, Wavecom is a leading provider of embedded wireless technology for machine-to-machine communication. Their solutions are used in such applications as automotive telematics, smart metering, fleet management, GSM/GPS/satellite tracking, and wireless alarms. Prior to Wavecom, Black was executive vice president of the Client Systems Group at Agere Systems, a leading provider of advanced integrated circuit solutions for consumer applications. Previously, he was vice president at Gemplus in France, serving as general manager of the next-generation networks business unit. He has also served as general manager for the Motorola's networking and communications systems division and has held a number of positions at IBM Microelectronics.



JOSEPH V. BONVENTRE
(Cornell B.S. '70 EP)

**BRIGHAM AND WOMEN'S
HOSPITAL, HARVARD
MEDICAL SCHOOL**

Harvard Institutes of Medicine
4 Blackfan Circle
Boston, MA 02115-5713
617 525-5960
joseph_bonventre@
hms.harvard.edu

Joseph Bonventre is the Samuel A. Levine Professor of Medicine at Harvard Medical School. He is Chief, Renal Division and Chief, Division of Bioengineering of Brigham and Women's Hospital, Harvard Medical School; former director of the Brigham Research Institute Stem Cell, Regenerative Medicine and Tissue Engineering Center; former co-director, Harvard-MIT Division of Health Sciences and Technology; founding director of the Kidney group and now a member of the executive board of the Harvard Stem Cell Institute. Dr. Bonventre is a member of the board of directors of the National Space Biology Research Institute and AMAG Pharmaceuticals. He is the past-President of the American Society of Nephrology and is a member of the ASN council. His research focuses primarily on the study of kidney injury and repair, with special emphasis on the role of biomarkers, inflammation and stem cells.



MEI-WEI CHENG
(Cornell B.S. '72 ORE)

**SIEMENS NORTH EAST ASIA
SIEMENS LTD., CHINA**

7, Wangjing Zhonghuan
Nanlu
Chaoyang District
P.O.Box 8543
Beijing 100102, P.R.China
mei-wei.cheng@
siemens.com

Mei-Wei Cheng is the CEO of Siemens North East Asia and president and CEO Siemens Ltd., China; his responsibilities include all Siemens activities in China Mainland, Hong Kong, Taiwan, and Mongolia. Before joining Siemens, Cheng spent more than ten years at Ford Motor (China) Ltd., where he was chairman and CEO, and later executive chairman. He was also a corporate group vice president of Ford Motor Company. Cheng joined Ford from the General Electric Corporation, where he was a corporate vice president and regional executive and president of GE Appliance-Asia. Prior to this he was a corporate vice president of General Electric Company and chairman and CEO of GE (China) Ltd. Cheng started his career in 1972 with AT&T as a plant engineer and eventually became president of AT&T China. He was instrumental in establishing a major presence for AT&T in China.



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.



ROBERT A. COWIE
(Cornell B.M.E. '56,
M.B.A. '57)

**DANA CORPORATION
(RETIRED)**

P. O. Box 2868
Carefree, AZ 85377
480 488-3192
rac56@cornell.edu

After completing his Cornell education, Robert A. Cowie spent two years as an aerospace engineer and then joined C&M Spring Company, a truck components manufacturer, where he became president in 1963. Dana Corporation acquired C&M in 1970. Cowie became vice president and general manager of Dana's Spicer Front Drive Systems Division in 1976, and from 1979 to his retirement in 1990, he was corporate vice president for public affairs. In 1996, Cowie became a trustee emeritus and presidential councilor of Cornell University after completing 23 years of board service, including 15 years as chair and co-chair of the Committee on Alumni Affairs and Development. He also was co-chair of the Cornell Campaign, which raised \$1.5 billion for the university between 1990 and 1995. Cowie is an emeritus member of the Johnson School Advisory Council and a trustee of the Johnson Trust.



SARAH T. FISCHELL
(Cornell B.S. '78 EE,
M.Eng. '79)

RETIRED

71 Riverlawn Drive
Fair Haven, NJ 07704
732 758-9654
sfischell@comcast.net

Sarah T. Fischell has spent her career in telecommunications planning and medical device innovation and nonprofit management. Much of her 20 years with AT&T was devoted to technology and services planning for business voice and data networks. More recently, Fischell supported several medical device start-up companies in financial management and intellectual property management roles. She is largely retired from technology-related pursuits. She is an emeritus director of the Cornell Engineering Alumni Association and she serves on the boards of a number of local non-profit organizations. Sarah is married to David Fischell '75, and they have two children, Erin '10 and Jennifer '13.

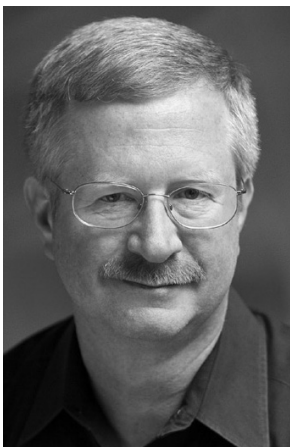


SAMUEL C. FLEMING
(Cornell B.Ch.E. '62)

BRILAND LLC

61 Meadowbrook Rd
Weston, MA 02493
781 891-1422
sfleming@brilandllc.com

Samuel C. Fleming is managing director of Briland LLC, which specializes in health-care investments, and manages the Fleming family investment and philanthropic interests. He is chairman emeritus of Decision Resources Inc., the leading global strategic research and advisory firm focused on the biopharmaceutical, medical device, and health insurance industries. From 1990 through 2003, he served as the chairman and CEO of the firm. Earlier, he was president of Arthur D. Little Decision Resources, which he founded. Fleming is a member of the board of overseers of Weill Cornell Medical College and is an emeritus member of the Cornell Board of Trustees, where he was vice-chair of the board. He is a board member of the Massachusetts Eye and Ear Infirmary, the Commonwealth Fund, and the Picker Institute.



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

KIONIX

36 Thornwood Drive
Ithaca, NY 14850
607 257-1080 ext. 110
ggalvin@kionix.com

Gregory J. Galvin founded Kionix in 1993 to commercialize a novel micro-mechanical technology pioneered by researchers at Cornell University. Kionix grew to over 40 employees until 2000, when Calient Networks acquired the company for its optical switching technology, renaming it Calient Optical Components. Just prior to the acquisition, a new company was spun out to pursue inertial sensor, microfluidics, and data storage markets. This company regained the Kionix name post acquisition. Galvin served as president and CEO of Calient Optical Components and on the boards of both Calient Networks and the new Kionix until 2002, when he returned to Kionix as president and CEO and advanced the company to its 2009 acquisition by Rohm Co. Ltd. Galvin serves as chairman and CEO of Rheonix Inc., established in 2008 to commercialize a unique polymer chip microfluidic technology developed at Kionix.

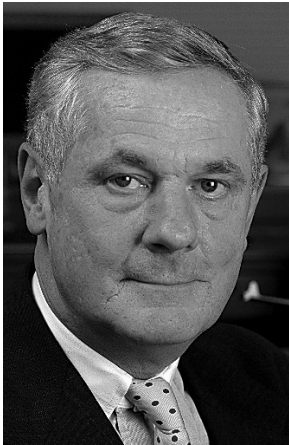


MICHAEL GOGUEN
(Cornell B.S. '86 EE)

SEQUOIA CAPITAL

3000 Sand Hill Road
Building 4, Suite 250
Menlo Park, CA 94025
650 854-3927
goguen@sequoiacap.com

Michael Goguen is a managing partner at Sequoia Capital. Sequoia Capital was an original investor in Google, Yahoo, YouTube, PayPal, Flextronics, Network Appliance, NVIDIA, Netscreen, Cisco, Oracle, and Apple Computer. He is the global head of Sequoia's cleantech investment efforts, which are particularly focused on finding capital efficient cleantech business with strong IP. Goguen is also active in semiconductor, systems, and Internet business and has served on the boards of more than 40 Sequoia companies. Prior to joining Sequoia Capital in 1996, he spent 10 years in various engineering, research, and product management roles at DEC, SynOptics, and Centillion and was a director of engineering at Bay Networks (NT). Goguen also served as a technical chairman of the ATM Forum.



GEOFFREY S. M. HEDRICK
(Cornell B.S. '65 EE)

INNOVATIVE SOLUTIONS & SUPPORT

720 Pennsylvania Drive
Exton, PA 19341
610 646-0301
gsmh@innovative-ss.com

Geoffrey S. M. Hedrick has been chairman of the board of Innovative Solutions & Support since 1997 and has served as its chief executive officer from the time he founded the firm in February 1988. Previously, Hedrick served as president and chief executive officer of Smiths Industries North American Aerospace Companies. He also founded Harowe Systems in 1971, which was subsequently acquired by Smiths Industries. Hedrick holds patents in the electronics, optoelectric, electromagnetic, aerospace, and contamination-control fields. Innovative Solutions and Support is recognized as one of the aviation industry's leading designers and manufacturers of advanced flight avionics, known for successfully migrating technologies originally developed for the computer and telecommunications industries into applications for commercial, military, and business aviation.

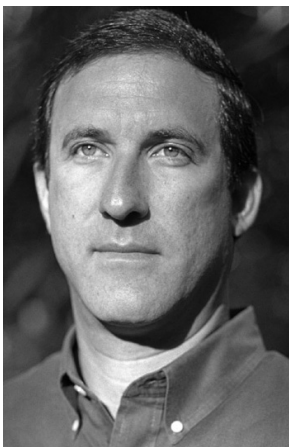


FRANK L. HUBAND
(Cornell B.S. '61 EP,
Ph.D. '67 AP)

WORLD TECHNOLOGY EVALUATION CENTER

1206 North Strafford Street
Arlington, VA 22201
202 290-5230
frank@huband.org

Frank L. Huband is vice president for operations and general counsel for the World Technology Evaluation Center. He recently retired as the chief executive officer of the American Society for Engineering Education, a 13,000-member professional society for engineering educators and institutions of engineering and engineering technology. Formerly, Huband was the director of the U.S. National Science Foundation's Electrical and Communication Systems Division. He joined NSF in 1976 and has held various positions there, including that of head of the Technology and Resources Policy Section, director of the Emerging Engineering Technologies Division, and director of the Electrical and Communication Systems Division. He has served on the faculty of the Electrical Engineering and Mathematical Sciences departments at Rice University.



ANDY KESSLER
(Cornell B.S. '80 EE)

AUTHOR AND WRITER

75 Catalpa Drive
Atherton, CA 94027-2167
650 207-1801
akessler@velcap.com

Andy Kessler is the author of several books on technology and markets, including *Wall Street Meat* and *How We Got Here*. Cornell and University of Illinois electrical engineering degrees led to designing chips at Bell Labs. Kessler was an Institutional Investor All Star analyst for PaineWebber and Morgan Stanley and was a founder of the hedge fund Velocity Capital. He writes for the *Wall Street Journal* op-ed page, *The New York Times*, *Forbes*, *The Weekly Standard*, and *New York Magazine* and has appeared on CNBC, Yahoo Finance Tech Ticker, CNN, and Fox.

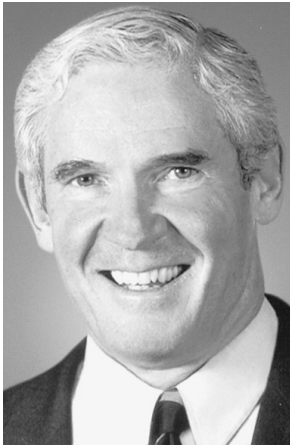


SHAYGAN KHERADPIR
(Cornell B.S. '82 EE, M.S. '83,
Ph.D. '87)

BARCLAYS BANK

Level 26, 1 Churchill Place
London E14 5HP
England
+44 (0) 207 116 9054
shaygan.kheradpir@bar-
clays.com

Shaygan Kheradpir is chief operating officer of Barclays Global Retail Bank. He is responsible for GRB's technology and core operational functions across its 21 markets. From 2007–2010, Kheradpir served as the executive vice president and chief information & technical officers for Verizon Communications where he was responsible for the technology initiatives of all Verizon's business units. Previously, Kheradpir was senior vice president and chief information officer for Verizon Telecom. He began his communications career with GTE in 1987. In 1994 he became vice president – GTE Labs. Kheradpir is a member of the National Institute of Standards & Technology VCAT (Visiting Committee on Advanced Technology), was named to *CIO Magazine's* Hall of Fame, was an adjunct professor of electrical engineering at Northeastern University, and holds several patents.



CHARLES F. KNIGHT
(Cornell B.M.E. '58, M.B.A.
'59)

EMERSON

8000 W. Florissant Avenue
St. Louis, MO 63136
314 553-2203

Charles F. Knight is chairman emeritus of Emerson, a technology-based global manufacturing company. During his 27 years as CEO, Knight spearheaded Emerson's evolution from a domestic manufacturer to a leading global technology and solutions provider. In this period, Emerson's sales increased more than 16-fold and net earnings increased 18-fold. Emerson's record of increased earnings per share and increased dividends during Knight's tenure as CEO is among the longest for consistent performance in U.S. business. He stepped down as CEO in 2000 and as chairman in 2004. His book, *Performance without Compromise: How Emerson Consistently Achieves Winning Results*, was published in 2005. Widely recognized for his management expertise, Knight also has a history of community service spanning more than 30 years, including support of public schools and institutions of higher learning.



GRETCHEN KNOELL
(Cornell B.S. '81 ME)

LAKE STREET CAPITAL, LLC

655 Montgomery Street
San Francisco, CA 94111
415 240-4148
gknoell@
lakestreetcapital.com

Gretchen Knoell is a partner with Lake Street Capital. Prior to founding the company in 2003, she spent 18 years primarily in investment banking and corporate development. During this period, she served as vice president of business development at Digital Island Corporation, as senior managing director of corporate finance, co-heading the West Coast Technology Group at Bear Stearns & Co., and as head of corporate finance at Punk, Ziegel & Knoell, a specialty investment bank committed to emerging growth companies that she co-founded in 1990. Knoell started her investment banking career in 1985 with Needham & Company. As an investment banker, she led the successful completion of billions of dollars of IPOs and mergers and acquisitions. Previously, she was an engineer with Exxon Corporation.



BRIAN KUSHNER
(Cornell B.S. '78 EP, M.S. '80
AP, Ph.D. '84)

FTI CONSULTING

2001 Ross Avenue
Suite 400
Dallas, TX 75201
512 329-5156
brian.kushner@
fticonsulting.com

Brian Kushner is a senior managing director at FTI Consulting, specializing in interim/turnaround management. A serial entrepreneur, Kushner was co-founder of CXO (FTI acquired CXO in December 2008) and founder of its predecessor, BGKC LLC. Kushner is also the CEO of Sage Telecom; previously he was CEO of Pacific Crossing Limited, a trans-Pacific carrier. Since 1999, Kushner and his CXO partners have bought or sold 15 companies, and he has served as CEO or chief restructuring officer at more than 20 companies. Previously, Kushner founded Recompute and helped restructure MCC and BSG under BGKC. From 1982 to 1992, Kushner was with BDM International, a defense systems integration firm, where he was responsible for troubled projects, certain classified programs, and most DARPA-related business.



CHARLES R. LEE
(Cornell B.Met.E. '61)

**VERIZON
COMMUNICATIONS**

Verizon Business
1 International Drive
Rye Brook, NY 10752
914 312-2242
chuck.lee@verizon.com

Charles R. Lee is retired chairman and co-CEO of Verizon Communications. He was previously chairman, CEO, and a director of GTE Corporation. He began his career in 1964 with the United States Steel Corporation, where he held financial and management positions until 1971. Subsequently he was senior vice president of finance at Penn Central and at Columbia Pictures Industries. Lee is a director of DIRECTV Group, a board member of Marathon Petroleum Co., United Technologies Corporation, and US Steel. He was a member of the President's National Security Telecommunications Advisory Committee and the Advisory Committee to the President's Commission on Critical Infrastructure Protection. He is a trustee emeritus and presidential councilor of Cornell and on the board of overseers of Weill Cornell Medical College.



CHRISTINE M. MAZIAR

**UNIVERSITY OF NOTRE
DAME**

300 Main Building
Notre Dame, IN 46556-5602
574 631-2749
christine.m.maziar.1@
nd.edu

Christine M. Maziar, vice president and senior associate provost, has been with the University of Notre Dame since 2004. Prior to Notre Dame, she served at the University of Minnesota as vice president for research and dean of the Graduate School and as senior vice president for academic affairs and provost. She has served on the faculty of the Department of Electrical and Computer Engineering at the University of Texas at Austin, where she also was vice provost. Maziar is a member of the Purdue Engineering Visiting Committee, and the board of Oak Ridge Associated Universities. She chaired the CIC Graduate Deans and served on the Minnesota Technology Enterprise Board, the Commission on University of Minnesota Excellence, and the board of directors of Minnesota Technology.



JAMES M. MCCORMICK
(Cornell B.S. '69 ORIE,
M.Eng. '70)

**FIRST MANHATTAN
CONSULTING GROUP**

90 Park Avenue
New York, NY 10016
212 455-9102
jmccormick@fmcg.com

James M. McCormick is a founder and president of First Manhattan Consulting Group. In more than 25 years of consulting, he has built expertise in disciplines ranging from strategy to acquisitions to marketing to management information systems; he consults for banks, other financial service firms, and technology companies. McCormick has given testimony to the U.S. Senate Banking Committee and has appeared more than 200 times as a speaker before various industry groups. He has appeared on several television venues and has been quoted in publications including the *Wall Street Journal*, *The New York Times*, *Institutional Investor*, *The Economist*, *Forbes*, and *Fortune*. He serves on the board of directors of Teach for America and as a board member and member of the executive committee for Mercy College.



JOHN P. NEAFSEY
(Cornell B.M.E. '62,
M.B.A. '63)

JN ASSOCIATES

13 Valley Road
Norwalk, CT 06854
203 831-8454
jpnwilson@aol.com

John P. Neafsey is president of JN Associates, an investment consulting firm. Neafsey serves as chairman of Alliance Resources. He is also a director of West Pharmaceutical Services Company. He previously served as president and CEO of Greenwich Capital Markets and, prior to joining Greenwich, was an executive vice president of Sun Company. He also was CFO and a member of the Sun board and subsidiary companies. He was twice selected by *Institutional Investor* as the outstanding oil industry CFO. He is a trustee emeritus and a presidential councilor of Cornell University. Neafsey was first elected a trustee in 1984, served for 16 years, and chaired several committees. He is on the Johnson School Advisory Council and is an overseer at Weill Cornell Medical College, serving on the budget and finance committee. He is a director and president of The Cornell Club of New York City.



ARMANDO J. OLIVERA
(Cornell B.S. '72 EE)

**FLORIDA POWER & LIGHT
COMPANY**

700 Universe Blvd.
Juno Beach, FL 33408-2683
561-694-4646
armando.olivera@fpl.com

Armando J. Olivera is CEO of Florida Power & Light Company, one of the largest investor-owned electric utilities in the nation and a subsidiary of NextEra Energy Inc. Olivera joined FPL in 1972 and was named to his current position in 2003. He has led a multi-year, multi-billion-dollar capital investment program that has resulted in FPL's 4.5 million customers enjoying service that is among the nation's most reliable and affordable while FPL has become among the cleanest generators of electricity. FPL's carbon dioxide emissions rate is 35 percent lower than the industry average. Olivera is a director of AGL Resources Inc. and was a member of the board for Nicor Inc. for several years. He is also a board member and past chairman of the Florida Reliability Coordinating Council, a board member of Enterprise Florida, and a member of the Florida Council of 100. He is also a member of the Cornell University Board of Trustees.



EVELYN TAYLOR PEARSON
(Cornell B.S. '84 ChE)

BP

150 West Warrenville Road,
MS 605-1W
Naperville, IL 60563-8460
630 420-5378
taylorea@bp.com

Evelyn Taylor Pearson, currently an organizational capability manager at BP, has spent her career in the petrochemical and refining industries. She has had a number of leadership roles in technology and manufacturing for chemical businesses. In her current role, Pearson works with the BP-owned refineries and functional groups to benchmark and develop highly effective site organizations and staff to plan and execute capital projects and turnarounds. She holds a U.S. patent and has been published in the *Journal of Catalysis*. She currently serves on the programming board and as the engineering representative to the Cornell Club of Chicago and has assisted planning for Chicago-area Mosaic events; she is a past member of the President's Council of Cornell Women. Pearson was the 2007 Raymond G. Thorpe Lecturer for the School of Chemical and Biomolecular Engineering at Cornell.



JUSTIN RATTNER
(Cornell B.S. '71 EE,
M.Eng. '72)

INTEL CORPORATION

2100 NE 25th Avenue
M/S JF2-96
Hillsboro, OR 97124-6497
503 712-4950
justin.rattner@intel.com

Justin Rattner is chief technology officer of Intel Corporation. He is also a vice president, senior fellow, and general manager of the Corporate Technology Group, Intel's primary research organization. In 1989 Rattner was named Scientist of the Year by *R&D Magazine* for leadership in parallel and distributed computer architecture. In December 1996, he was featured as "Person of the Week" by ABC World News for his work on the Department of Energy's ASCI Red System, the first computer to sustain one trillion operations per second. He currently sits on the board of trustees for the Anita Borg Institute for Women and Technology and serves as Intel's executive sponsor for Cornell University. Rattner joined Intel in 1973; previously, he held positions with Hewlett Packard and Xerox.



ROBERT W. SHAW JR.
(Cornell B.S. '63 EP;
M.S. '64 EE)

**ARETÈ VENTURE MANAGE-
MENT**

P. O. Box 1299
Center Harbor, NH 03226
603 253-9 797
aretecorp@roadrunner.com

Robert W. Shaw Jr. is managing director of Aretè Venture Management, which advises and invests in alternative energy. Until his retirement in 2010, he was president of Aretè Corporation, a venture capital firm focused on small-scale energy systems. Aretè managed SC Green Tech Ventures for Sumitomo Corporation, and the Micro-Generation Technology Fund for a group of electric utilities. Earlier, Shaw was founder and president of Aretè Ventures, serving as managing partner of the five Utech Funds. Shaw serves on the investment committees of Emerald Technology Ventures and Commons Capital and as special limited partner of Nth Power Technologies and of Atrium Capital/Honda Ventures. Previously, he was a senior vice president and a member of the board of directors of Booz, Allen & Hamilton. He is chairman of the Department of Energy's Hydrogen Technology Advisory Committee.



WILLIAM R. SHREVE
(Cornell B.S. '69 EP)

INNOSAV

26750 Almaden Court
Los Altos, CA 94022
650 269-8137
wshreve.innosav@gmail.com

With 31 years of experience in engineering and management of applied research, William R. Shreve founded Innosav, a consulting company focused on maximizing the return on R&D investments by optimizing innovation commercialization. His experience includes physical sciences, circuit design, manufacturing optimization software, and system operation software. In his 19 years as a laboratory director at Hewlett-Packard and Agilent Technologies, Shreve and his team have contributed technology for launching businesses in lightwave instruments, communications, semiconductor components, fiber optic and wireless components, measurement systems, and bioinformatics. His teams also made advances in architecture, algorithms, and software for distributed measurement systems, automated test solutions, manufacturing operations optimization within HP, and LAN-based measurement systems.



DANIEL S. SIMPKINS
(Cornell B.S. '80 EE, MEng '81)

HILLCREST LABORATORIES INC.

15245 Shady Grove Rd,
Ste 400
Rockville, MD 20850
240 386-0600, x6951
dan@hillcrestlabs.com

Dan Simpkins founded Hillcrest Labs in 2001 to create a revolution in entertainment. Prior to Hillcrest, he was vice president and general manager of the SALIX Switching Division of Tellabs Inc., established in 2000 when Simpkins sold voice-over-IP leader SALIX Technologies, a company he founded in 1990, to Tellabs. Simpkins currently serves on the board of advisors of Launchbox Digital, an early-stage investment firm focused on startups. He also sits on the board of advisors of several high-tech companies and is a member of CEA and IEEE. In 2008, Simpkins was recognized by *The Gazette of Politics and Business* as one of the top 25 CEOs in the Washington, D.C., area and Hillcrest Labs was recognized as one of the "Exceptional 53" companies in the State of Maryland, as well as a 2008 Future 50 company by SmartCEO.



ROBERT SMITH
(Cornell B.S. '86 ChE)

VISTA EQUITY PARTNERS LLC

401 N. Congress Ave., 31st
Floor
Austin, TX 78701
512 651-3337
rsmith@
vistaequitypartners.com

Robert F. Smith is the Founder, Chairman and CEO of Vista Equity Partners LLC. Vista currently manages equity capital commitments of approximately \$6 billion and focuses exclusively on the software industry. For more than 11 years, Vista has consistently performed in the top decile of private equity firms. Previously, Smith worked for Goldman Sachs, M&A, in New York and Silicon Valley. As co-head of Enterprise Systems and Storage, he executed and advised on more than \$50 billion in merger and acquisition activity for Apple, Microsoft, Texas Instruments, Ebay, and Yahoo. From 1986 to 1992, Smith worked for Kraft. He is the principal inventor on two United States and two European patents. Smith was awarded his MBA from Columbia Business School. Smith received the 2010 Ripple of Hope Award and is a board member of the Robert F. Kennedy Center and a trustee of the Boys and Girls Clubs of San Francisco. Smith is also an avid fly fisherman.



DUANE STILLER
(Cornell B.S. '84 ORE)

WOOLBRIGHT DEVELOPMENT INC

3200 North Military Trail,
Fourth Floor
Boca Raton, FL 33431-6343
561 989-2277
dstiller@woolbright.net

Duane J. Stiller is president of Woolbright Development. He founded Woolbright in 1985, establishing industry knowledge, personal service, and innovation as core values. Stiller built the company into one of the fastest growing retail real estate companies in Florida. Historically, Woolbright's typical projects consisted of redevelopments of existing shopping centers in metro areas. Recently, ground-up developments have been added and this successful combination has helped make Woolbright one of the largest acquirers, managers, and owners of retail real estate in Florida. Stiller began his career with Traveler's Asset Management International Corporation as director of property management. He also co-founded The Sterling Companies in 1993. Stiller is a licensed real estate broker and licensed general contractor.



ROGER A. STRAUCH
(Cornell B.S. '78 EE)

THE RODA GROUP

918 Parker Street, Suite A-14
Berkeley, CA 94710-2526
510 649-2187
roger@rodagroup.com

Roger Strauch is Chairman of The Roda Group, an early stage venture capital company that invests in extraordinary people and businesses that address the issues associated with climate change, the demand for low carbon energy, and the stress on Earth's natural resources. His firm is the lead investor in Solazyme, named the 2011 BioFuels Digest Hottest Company of the Year, considered one of the leading synthetic biology firms in the world. Strauch was the first investor, CEO, and Chairman of Ask Jeeves and PolyServe, acquired by IAC (Barry Diller) and HP, respectively. The Roda Group was the lead investor in SightSpeed, an internet video conferencing service based on Cornell technology which was sold to Logitech. Strauch earned an M.S. in electrical engineering from Stanford University. He is Vice Chairman of the Board of Mathematical Sciences Research Institute in Berkeley, California. He holds two patents.



SHERRI K. STUEWER
(Cornell B.S. '73 OR, M.S. '75)

EXXON MOBIL CORPORATION

5959 Las Colinas Blvd
Irving, TX 75039
972 444-1677
sherri.k.stuewer@exxonmobil.com

Sherri K. Stuewer is vice president for environmental policy and planning for Exxon Mobil Corporation. In this role she is responsible for developing and coordinating Exxon Mobil's worldwide efforts to address emerging environmental issues, including climate change. Prior to her current assignment, Stuewer was vice president for safety, health, and environment; general manager of the Exxon Company U.S.A. supply department; and manager of the Exxon refinery in Baytown, Texas. During her career with Exxon Mobil, she has held a variety of technical and managerial positions in refining, planning, and logistics. Stuewer is a trustee emerita of Cornell University. She is also a board member of the YMCA of Metropolitan Dallas and a past chair of the Industry Advisory Board to the International Energy Agency.



JOHN A. SWANSON
(Cornell '61, B.M.E. '62, M.M.E. '63)

SWANSON ANALYSIS SERVICES

1551 Saint James Circle
The Villages, FL 32162-7648
352 751-1952
john.swanson@ansys.com

John A. Swanson is president of Swanson Analysis Services, a finite-element consulting firm. He is the founder of ANSYS, served as president for more than 20 years, and was its chief technologist until his retirement in 1999. Swanson is internationally recognized as an authority and innovator in the development and application of finite-element methods to engineering. He founded Swanson Analysis Systems (now ANSYS) in 1970 to develop, support, and market the ANSYS program, a finite-element software code widely used in the computer-aided engineering industry. Prior to that, Swanson was employed at Westinghouse Astro-nuclear Laboratory. In 2009, he was elected a member of the National Academy of Engineering. He was awarded the John Fritz Medal in 2004. He is on the Board of Trustees of the University of Pittsburgh, and served 12 years on the Board of Trustees of Washington and Jefferson College.



PADMASREE WARRIOR
(Cornell M.S. '84 ChE)

CISCO SYSTEMS

300 East Tasman Drive
San Jose, CA 951324
408 424-3455
pwarrior@cisco.com

As CTO, SVP Engineering, and GM Enterprise Segment, Padmasree Warrior helps define Cisco's technology strategy and works closely with the senior executive team and board of directors to drive innovation across the company. As an evangelist for what's possible, she pushes Cisco to stretch beyond its current capabilities, not just in technology, but also in its strategic partnerships and new business models. In her role as a senior vice president, Engineering, and GM Enterprise Segment, Warrior co-leads Cisco's Engineering organization, helping to set vision and strategy, as well as lead a team of 22,000 engineers to execute on the group's strategic priorities. Warrior focuses on core switching, collaboration, data center/virtualization, and cloud computing, as well as architectures for business transformation. Warrior joined Cisco in 2007. Prior to that, she was the Chief Technology Officer at Motorola.



DAVID F. WELCH
(Cornell Ph.D. EE '85)

INFINERA CORPORATION

169 Java Drive
Sunnyvale, CA 94089
408 572-5200
dwelch@infinera.com

David F. Welch is a co-founder of Infinera, a leading supplier of optical systems based on innovative photonic integrated circuitry technology. Originally chief technical officer, he is currently EVP/CSO, responsible for complete corporate strategy including markets, products, and execution strategies. He was previously chief technical officer and vice president of corporate development of SDL and JDS Uniphase, responsible for technology and acquisition strategies. Welch holds over 125 patents in optical components and systems and has published more than 250 articles. Awards include the 1992 Adolph Lomb Award from OSA, the 1998 Engineering Achievement Award from LEOS, the 1999 OSA Joseph Fraunhofer/Robert M. Burley Award, the 2011 OSA John Tyndall Award, and more than 17 product-of-the-year awards at SDL. He is a fellow of IEEE and of OSA.



JAMES WRIGHTSON
(Cornell B.S.'73 EE,
M.Eng. '74)

LOCKHEED MARTIN CORPORATION

6801 Rockledge Drive
Bethesda, MD 20817
301 897-6464
james.a.wrightson@lmco.com

Jim Wrightson is vice president, Corporate Engineering and Technology for Lockheed Martin, responsible for developing advanced concept technology initiatives and providing analyses to shape the corporation's development strategy. His primary efforts focus on establishing and implementing new business strategies in adjacent and horizon businesses through the application of innovative internal R&D combined with new business model concepts. As part of this responsibility, Wrightson is engaged in aerospace environment analysis, architectural concepts, corporate investments, business expansion strategies, and technology studies. Wrightson's career has spanned 37 years in the aerospace and defense industry, working on aircraft development programs, spacecraft systems, and optical technology R&D. Wrightson serves on the TechAmerica Foundation Board and its Strategic Forecast Council.



SUSAN YING
(Cornell B.S. '81 ME)

BOEING COMPANY

P. O. Box 3707
Mailstop 7L-69
Seattle, WA 98124
425 373-2626
susan.wying@boeing.com

As director of Boeing Research and Technology, Susan Ying leads a team of world-renowned scientists and engineers to provide innovative solutions to address a variety of challenges unique to Boeing Company. Prior to this role, Ying held various leadership positions in multiple business units and locations. She also taught at universities and directed research in U.S. Department of Energy research labs and the NASA Ames Research Center, and earned a spot as a NASA astronaut candidate finalist. Ying is a fellow of the American Institute of Aeronautics and Astronautics and serves on its board of directors. She is also a member of the executive committee of the International Council of Aerospace Science, and the Technology and Innovation Committee of the NASA Advisory Council. Ying received her Ph.D. from Stanford University, and is Boeing's executive focal there.

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CORNELL ENGINEERING

RICHARD A. AUBRECHT

Cornell B.S. '66 ME, M.S. '68,
Ph.D. '70

MOOG INC.

Jamison Road, Plant 24
East Aurora, NY 14052
716 652-2000
daubrecht@moog.com

CHARLES S. BROWN JR.

Cornell B.S. '72 ChE, M.Eng. '73

**EASTMAN KODAK COMPANY
(RETIRED)**

346 Rock Beach Road
Rochester, NY 14617
585 342-4349
charlieb@rochester.rr.com

KENNETH C. BROWN

Cornell B.S. '74 ME

ONE EQUITY PARTNERS

JPMorgan Securities Inc.
(Hong Kong) Ltd.
Charter House, 20/F
8 Connaught Road, Central
Hong Kong
+852 2800 0195
ken.brown@oneequity.com

JAY W. CARTER

Cornell B.S. '71 ORIE,
M.Eng. '72

**LUCENT TECHNOLOGIES
(RETIRED)**

Maple Run Stables
124 Wertsville Road
Hillsborough, NJ 08844
908 369-3455
jwc36@cornell.edu

TIM COSTELLO

Cornell B.S. '81 ME

BUILDER HOMESITE

11900 RR 620 North
Austin, TX 78750-1345
512 651-8802
tcostello@
builderhomesite.com

SCOTT C. DONNELLY**TEXTRON INC.**

40 Westminster Street
Providence, RI 02903
401 457-3560
sdonnelly@textron.com

JAMES N. HAUSLEIN

Cornell B.S. '81 ChE, M.B.A. '84

HAUSLEIN & COMPANY INC.

c/o Granite Capital
560 Lexington Ave., 10th Floor
New York, NY 10021
212 207-8884
jim@hauslein.com

WILLIAM J. HUDSON JR.

Cornell B.E.E. '56

AMP (RETIRED)

410 Laurel Drive
Hershey, PA 17033
717 533-8893
nitzhawk@gte.net

W. KEITH KENNEDY JR.

Cornell B.E.E. '65, M.S. '66,
Ph.D. '68

CON-WAY

36 Prospect Ave.
Sausalito, CA 94965
415 332-1507
wkkjr@comcast.net

RANDALL D. LEDFORD**EMERSON**

8000 W. Florissant Avenue
St. Louis, MO 63136-8506
314 553-2713
Randall.Ledford@emerson.com

LOWELL C. MCADAM

Cornell B.S. '76 ME

VERIZON WIRELESS

VC43E030
1 Verizon Way
Basking Ridge, NJ 07920-1025
908 559-7525
Lowell.McAdam@
VerizonWireless.com

**VENKATESH
NARAYANAMURTI**

Cornell Ph.D. '65 Physics

HARVARD UNIVERSITY

29 Oxford Street
Pierce Hall 107D
Cambridge, MA 02138
617 394-8211
venky@seas.harvard.edu

ALBERT E. SUTER

Cornell B.M.E. '58, M.B.A. '59

EMERSON (RETIRED)

c/o 14248F Manchester Rd. #110
Manchester, MO 63011
636-220-8290

JAN H. SUWINSKI

Cornell B.M.E. '64, M.B.A. '65

**CORNING INCORPORATED
(RETIRED)**

Cornell University
Johnson Graduate School
of Management
349 Sage Hall
Ithaca, NY 14853-6201
607 255-8949
jhs20@cornell.edu