Albert Atkins | Albert Atkins is currently based in Bogotá, Colombia, as the managing director for Air Liquide Colombia. A mechanical engineering graduate from Texas A&M University who has spent the majority of his career not being an engineer, Albert has worked for the same company since graduation with assignments across the globe. After completing a new-graduate rotational program (The ALLEX Program) with Air Liquide, Albert has progressed through operations, finance, strategy, project management and even human resources. Having spent his career navigating a large, multi-national corporation, Albert has a passion for helping college students and new graduates understand what exactly is it they want to do with their lives, and what steps they need to take in order to get there.

Telis Bertsekas ‘91, MBA ‘97 | Telis has two degrees from MIT: an undergraduate degree in economics in 1991 and an MBA from Sloan in 1997. In between he spent five years as a consultant before deciding he really wanted to pursue a career in Investment Management.

He has held a variety of research analyst and portfolio management positions at firms such as Fidelity Investments, MFS Investment Management, SAC Capital, and most recently Bluecrest Capital. Almost his entire career has been spent working on technology sector companies in the public markets.

Telis grew up in Belmont, Mass., and his father is a professor of computer science at MIT. He currently lives in Lexington, Mass., with his wife Wendy and his three children.

Bonnie Black | Since July 2015, Bonnie has served as vice president, Permian Well Planning & Permitting, for Pioneer Natural Resources. She is responsible for the team that generates the "release to drill" inventory needed to execute the Permian development plan. The team coordinates with the Strategic Planning and Field Development Team, Land, Regulatory and the Drilling and Completions teams to ensure timely availability of all permits, land title, surface rights, partner approvals, subsurface targets, well trajectories, final geologic prognosis and AFEs.

Prior to this she was the vice president of Environmental and Sustainable Development. In this role, she was responsible for directing Pioneer’s environmental compliance and sustainable practices at the federal level and in the states in which the company operates.

Black joined Pioneer in Anchorage in 2007 as manager of HSE for its Alaska asset. Black has 20+ years of experience in the oil and gas industry with half of her experience gained in Alaska and half in Texas. Prior to joining Pioneer, she was a business owner and industry consultant.

Black has a bachelor of science in civil engineering from Texas A&M University and a professional engineering license in environmental engineering.

She currently serves as a board member for Susan G. Komen Dallas County.

Lois Champy ’71 M. Arch. | Lois Champy is principal of Lois Champy Associates LLC, an architectural firm in Boston. She has been a trustee of Barnard College since 2006, where she chairs the Buildings and Technology Committee. She is a former Chair of the Board of Trustees of the Massachusetts College of Art and Design. She is a member of the Corporation Development Committee, MIT where she co-chairs the New England Region. She is a former senior project manager at the Massachusetts Port Authority where she managed large airport terminal projects. She received her master’s in architecture from MIT in 1971, and her bachelor’s degree in arts from Barnard College, Columbia University. She is registered in Mass., NH and NY state.

She is married to MIT alumnus Jim Champy and mother of MIT (and UPOP) alumnus Adam Champy. She lives in Boston and New Hampshire.
Paul Edelman '78

Paul Edelman ’78 (SB, Physics) earned his doctorate in psychology at Harvard (’83) where his research and teaching focused on understanding the factors that make for effective teamwork. He also studied behavioral assessment in the context of identifying the individuals most likely to succeed in particular jobs.

Paul serves as managing director of Edelman & Associates (www.edeltech.com), a consulting firm that assists clients in acquiring and developing top talent.

Paul has been a mentor/instructor in the MIT Undergraduate Practice Opportunities Program (UPOP) since the program began. Together with Richard Kremsdorf MD, Paul developed UPOP’s training module on Team Creativity.

Paul has also served on the board of directors of the MIT Alumni Association and the Leadership Council of the MIT Public Service Center. For his distinguished service to MIT, Paul has received the Lobdell Award, the Deshpande Award, and three Great Dome Awards.

Paul Green ’73

Paul holds the position of senior technical consultant with Stratus Technologies in Maynard, Mass. He has worked for Stratus since its founding in 1980. His work focuses on satisfying the needs of worldwide customers whose businesses depend upon high-performance, continuously available, transaction-processing systems.

Paul has worked on operating systems software for more than 40 years, starting with the MIT/Honeywell Multics system when he was an MIT student. He has worked on compilers, written an assembler and a binder, helped to design a transaction-based file system, helped design and implement national language support, served as a first- and second-level manager, and has achieved the highest technical grade at Stratus. He visits Stratus customers to inform them about new features and products and is frequently called upon to resolve difficult customer problems.

His personal interests are traveling, local causes, and playing with toy trains. Paul holds a BSEE from MIT and is a member of the Class of 1973. He is married to Dr. Martha Nesselbush. They live in Harvard, Mass.

Angie Kelic ’98, PhD ’05

Angie received her PhD from MIT’s Engineering System Division in Technology Management and Policy in 2005. At Sandia National Laboratories, she leads strategic direction for programs in critical infrastructure modeling for use in rapid response and policy analysis environments for the Department of Homeland Security. She serves as the subject-matter expert in communications systems analysis and infrastructure cyber security. Her areas of specialization include communications, cyber-physical systems, networks, system interdependencies, policy analysis and making sure people can take things like power, water, phones, and the Internet for granted.

Eletta Kershaw

Eletta Kershaw works for IBM where she is team lead, University Recruiting. In this capacity, she leads the development of IBM’s U.S. university talent strategy and implementation and leads IBM recruiting efforts at several northeast universities.

Eletta has held numerous staff and management positions in education, employee development, finance, marketing support and human resources. Her favorite positions have been those where she has the opportunity to work with individuals on crafting their personal development skills. Eletta believes that her current assignment as university recruiting and relationship manager is the best job in the company! Eletta joined IBM in 1977 after receiving her bachelor’s in communications from Denison University. Away from corporate life, Eletta enjoys her family, reading, and quiet time.
Richard Kremsdorf, MD, SB ’69

Dr. Kremsdorf pursued clinical medicine to care for patients and to teach other health-care professionals. While practicing pulmonary and critical care medicine in San Diego, he also taught at the University of California, San Diego School of Medicine, advancing to the rank of clinical professor of medicine on the voluntary staff.

His MIT-nurtured obsession with fixing broken systems led him to use clinical information systems as tools to enhance the quality of patient care and the skills and efficiency of caregivers. He started in 1985 with electronic prescription-writing for the physician office. In addition to designing and implementing clinical systems in a variety of medical venues, he has led strategic planning and team-building activities for a variety of employers and clients, activities which required expertise in individual, team, and organizational change.

In his post-clinical careers, he has served as VP, Clinical Information Systems, for a 48-hospital health system (Dignity Health), president and CEO of the inpatient clinical information systems vendor of the US Military Health System (Clinicomp, Intl.), and as outside director for the leading health information exchange vendor (Axolotl, now OptumInsight, part of United Healthcare). In addition, he is president of Five Rights Consulting, and has consulted broadly in the electronic health records sector.

He received his MD degree from Albert Einstein College of Medicine; Internal Medicine training and Chief Residency at SUNY Buffalo; and completed his pulmonary fellowship at UCSD. Other interests are downhill skiing (and teaching PMTS skiing movements for Harb Ski Systems!), woodturning, and photography.

He lives in San Diego, Calif., is married to his college sweetheart, has one daughter, and three grandchildren.

Joseph Levitch ’69

Joe is a principal in the Chicago office of Sullivan, Cotter and Associates, Inc. He has more than thirty-five years of experience as a human resources and compensation consultant.

Joe was a principal of Towers Perrin from 1986 to 2000 where he served as senior compensation consultant in the firm’s Health Industry Consulting Practice and as National Practice Leader for physician compensation consulting. From 2000 to 2005, he was a managing director of Clark Consulting where he was responsible for the firm’s health-care executive compensation consulting practice. During his consulting career, Joe has worked on and directed numerous engagements in compensation and human resources management. His clients include hospitals and health systems, academic medical centers and faculty practice groups, healthcare associations and alliances, managed-care organizations, and physician group practices.

Joe holds a BS in civil engineering from MIT (1969) and an MBA from the University of Michigan (1972) Ross School of Business in Ann Arbor. He is the Midwest regional director of the MIT Corporation Development Committee; the co-chair of the Leadership Council of the Priscilla King Gray (PKG) Public Service Center; and a member of the MIT Sloan Initiative for Health Systems Innovation (HSI) Board. He served as co-chair for the Class of ’69 45th Reunion Gift Campaign in 2014. Joe annually volunteers as a mentor in MIT’s Undergraduate Practice Opportunities Program (UPOP). He received the Great Dome award twice in 2015 for his work with the PKG Center and UPOP, and the Margaret L.A. MacVicar ’65 ScD ’67 award in 2016 for his overall service to the Institute.

Joe and his wife Vikki created a special fund to support the scholarship needs of MIT undergraduate students. Following Vikki’s death in 2015, Joe established a memorial fund to support an annual leadership award for the MIT Women’s Varsity Tennis Team and an additional fund to support fellowship grants offered by the PKG Center.
Elisabeth Morse SM ’01

Elisabeth Lamassoure Morse is a senior member of the Space Systems Group at Orbital ATK, working on space mission concept development and systems engineering process improvements. A space flight systems engineer with years of experience at the NASA’s Jet Propulsion Laboratory (JPL), she has worked on multiple planetary science missions from the proposal phase to the verification phase, including accommodation of science instruments and cameras on the Mars Science Laboratory (Curiosity) Rover. Her experience also includes independent consulting for technical, management and risk issues for NASA, the FAA and the private sector. In her spare time Elisabeth is vice-chairwoman of the Judging Panel for the $30M Google Lunar XPRIZE, a competition to challenge and inspire engineers, entrepreneurs and innovators from around the world to develop low-cost methods of robotic space exploration. Elisabeth holds a master’s of science in aeronautics and astronautics from MIT (2001) and an engineer's degree from Ecole Polytechnique in France with a physics major. She lives in Northern Virginia with her husband and three elementary school children and enjoys talking to schools about space exploration and inspiring (as well as being inspired by!) the next generation of scientists and engineers.

Daniel Naor ’80

Daniel is the general partner of Naor Investments, Ltd, an asset management partnership focused on index-based quantitative strategies. Between 2003 and 2015, Daniel was group vice president and subsequently senior vice president of PepsiCo, a Fortune 50 corporation and a global leader in consumer goods products. He led Frito-Lay’s Growth Ventures, the rapidly growing $1.5B business portfolio of Premium and Value brands from product development to operational execution across strategy, marketing, R&D, sales, supply chain and finance. Prior to that, he directed the Business Innovation organization tasked with transforming how the company makes, moves and sells products throughout the Americas. Daniel was a member of Frito-Lay’s executive committee as well as Sabra’s board of directors. Prior to PepsiCo / Frito-Lay, Daniel was a partner at McKinsey & Co., the global top management consulting firm. From 1990 to 2002, he directed and managed over 100 projects in strategy, organization and operational improvement areas. He served clients in the U.S.A., Europe and Latin America in the high-tech, banking, industrial, consumer goods and retail sectors. He also served as a leader of the Global Operations Strategy & Effectiveness Practice.

Daniel received a BS in electrical engineering and an MS in electrical engineering & computer science (Course 6), all from MIT. He also earned an MBA from the INSEAD Business School. In addition to English, Daniel’s multilingual skills comprise French, German, Spanish and Hebrew – having been raised in Europe, Israel and the US. Daniel enjoys ballroom and Latin dancing, a passion he discovered at MIT while fulfilling the physical education requirement. He has subsequently won several international Pro/Am dance competitions. He is the proud father of his one and only daughter who is a freshman at NYU’s business school and an avid admirer of MIT.
Kristy Rudel

Kristy's career has included management positions in both the for-profit and not-for-profit worlds, in financial services, packaged goods and the arts. After earning a BA in history and economics from Dartmouth, and an MBA from Stanford University with a focus in marketing and organizational behavior, Kristy began her career with product management positions at General Foods, Nestlé and then Dreyfus. In those positions she was responsible for marketing products ranging from iced tea to mutual funds and credit cards.

While taking time to raise two daughters, Kristy became a consultant, specializing in providing startup assistance to entrepreneurs and small companies. The business plan she helped develop and write for one of her consulting clients led to the next phase of her professional career, in which she was a central part of a team that founded and built UBP Asset Management, a hedge-fund-of-funds business located in Manhattan. During her 14 years at UBPAM, Kristy held the positions of CFO, CCO, COO and CAO. Following the 2008 economic downturn, Kristy added “organization restructuring” to her résumé, as she worked to carefully downsize UBPAM’s operation. Kristy’s final function as CAO of the by then-downsized UBPAM was to eliminate her own position, which freed her up to pursue a long-held wish to apply her talents in the not-for-profit world. Shortly after that, she became director of marketing & communications for the Stamford (CT) Symphony Orchestra, a position she held until relocating to Cambridge so that her husband Anthony could assume the leadership of WCRB, Boston’s classical music radio station.

Kristy enjoys gardening, knitting, exploring her new hometown and especially camping. She is a certified Girl Scout Outdoor Education trainer, volunteering several times a year to teach new Girl Scout leaders how to safely take their young troops camping.

Herbert R. ("Dick") Schulze '67

A native of San Francisco, Dick is a graduate of MIT in electrical engineering and the University of Chicago law school. He is licensed to practice law in California, Colorado, Nevada, and South Dakota, and before the U.S. Patent & Trademark Office.

Following service as an Air Force JAG and as a law clerk to U.S. District Judge Howard Turrentine in San Diego, he engaged in a general law practice in San Diego before specializing in intellectual property matters. For 19 years he was with Hewlett-Packard Co. and its successor Agilent Technologies as managing counsel in intellectual property, supervising a staff of company attorneys and legal assistants in California, Colorado, Singapore, and Germany. Following his retirement from Agilent in 2007, he became of counsel to Holland & Hart in Reno and special counsel to Evergreen Valley Law Group of Bangalore, India. In May 2011 he left Holland & Hart for a brief stint as IP Counsel with HP, returning to Holland & Hart in the fall of 2013.

Dick has two grown children and five grandchildren. When not practicing law, he can be found passionately pursuing his second profession as a snowboard instructor at Northstar California ski resort or cruising the twistiest roads of America on his Triumph Rocket 3.

Debby Stein Sharpe '76

Debby served as treasurer and CFO of Extrusion Technology from 1988 until the sale of the company in 2008, and was responsible for environmental compliance, legal and banking relationships. She also managed the $2,000,000 building renovation in 1999. Prior to joining XTech, Debby was majority owner and president of Bee Fiberglass, Inc., a producer of corrosion-resistant custom fiberglass components for a variety of industrial customers. She holds an SBChE from MIT and an MBA (1981) from Harvard.

Debby continues to manage the property, which was not sold with the operations. She and her husband, Jim, have three adult children; two are graduates of MIT. They also have two extremely adorable grandtwins. Her civic work includes managing a regional team of volunteer Educational Councilors for MIT and sitting on the Appalachian Mountain Club’s board of advisors.

As time allows, she enjoys cycling, skiing, hiking, and travel.
Frank Tino SM ‘83

Frank Tino is vice president of product development at QuickBase, where he is responsible for all technical aspects of the product line and oversees QuickBase’s global engineering team.

Frank has more than 25 years of software development experience, and over 15 years in positions of senior management, leading engineering, operations and product teams. He brings experience in a variety of technologies and domains, including enterprise offerings, SaaS, mobile, B2C, online services, eRetailing, data warehousing, storage and security, among others.

Prior to his involvement with QuickBase, Frank served as CTO of GSN Digital, a leader in the casual gaming space and a division of the Game Show Network. Previously, Frank served as a senior executive of product development and engineering at companies including Vela Systems, Iron Mountain Digital, Revenio and Informix, among others.

Frank holds an MS in computer science & electrical engineering from MIT.

Bob Vieraitis ’80

Bob Vieraitis has delivered category-leading products and services to market since entering the computer business in 1984. After a 26-year product management and technology marketing career in Silicon Valley, he returned to Boston where he led marketing for an environmental services firm. Bob currently serves in various volunteer roles, including several for MIT.

While in Silicon Valley, Bob was an executive in five different startups. He led product management and marketing at Solidcore, a security software provider acquired by McAfee, and was VP of product management at Portal Software, where he helped create the first real-time billing system, and was part of the executive team that led the company to a successful IPO. Bob moved to California in 1996 to work for Sun Microsystems, where he spent nine years in both hardware and software product management as the company grew to more than $6B in revenue. Prior to that he worked at Data General in Massachusetts and as a project engineer for the United States Air Force.

Bob graduated from MIT in 1980 with a BS in computer science and received his MBA from Babson College in 1985. He and his wife Donna live in downtown Boston.

Steve Webster ’78

Steve Webster is currently senior fellow and Spencer Chair in Technology Management at the University of Minnesota. He teaches graduate classes in innovation for mid-career professionals, and business basics for graduate students in science and engineering.

Previously Steve spent 31 years at 3M Company. His final position was vice president of research and technology commercialization for 3M’s Display and Graphics business. In that role he had responsibility for about 1000 technical professionals worldwide, setting technology strategy and guiding key programs for a $4 billion global business, and directly led laboratories in Minneapolis, Austin, and Singapore. He previously led the global deployment of Six Sigma for 3M, and has held R&D leadership roles in display technology, optical films, telecommunications, data storage and optical recording.

Prior to joining 3M, Steve was a member of technical staff at Bell Laboratories, and worked as a co-op student at RCA Government Systems Division through MIT’s Course VI-A.

He received a Master of Science in electrical engineering and computer science, and an SB in electrical engineering from MIT in 1979. Steve was born in Minneapolis, Minnesota, where he lives today. He serves on the board of directors of the Guthrie Theater, and on the UPOP Advisory Board. Follow Steve on Twitter at @scwTech.
Russ Apfel ’69

Russ Apfel ’69 holds a BS in electrical engineering from MIT and an MSEE degree from the University of Santa Clara. He also conducted doctoral work at UC Berkeley.

Russ launched his career at Fairchild Semiconductor as a design engineer, designing op amps, D/A converters, voltage regulators and interface circuits. While at Fairchild, he was involved in the development of the first switching regulator IC in 1975. Subsequently, Russ joined Advanced Micro Devices (AMD), where he led the development of the first DSP codecs (SLAC) and modems for telecomm applications. This telephone interface is used worldwide for landlines and VOIP phones in over 1 billion installations. His team developed the first commercial products that used sigma delta A/D converters and D/A converters, building the first full integrated DSP controllers and the first programmable DSP controller. They also developed the first complete Ethernet chip-set solution as well as the first 100MB/sec networking solution. He developed the high voltage telephone interface (SLIC) that is used universally in most telephone systems.

After consulting for thirteen years in the area of voice communication products for telephone applications, Russ served as the founding CTO of Legerity, which was spun out of AMD’s Communication Group in August 2000.

In 2003, Russ founded Silicon MAGIKE in order to develop new high voltage IC products. He financed the company, developed the business plan, hired the staff and set up a facility. The company received strong funding offers from three top-tier venture capital firms, and ultimately chose to be acquired by Silicon Labs because it offered the best (and most immediate) return, as well as providing sufficient infrastructure to grow the business. After three years of service as Silicon Labs’ executive director for High Voltage Products, Russ retired from the company.

In 2009, Russ started a new company, Audiotoniq which developed a new type of hearing aid that would significantly lower the cost of ownership while increasing the user experience. Audiotoniq did field trials on its first prototypes but ran into financing problems and eventually sold its intellectual property (30 US patents), which are being licensed by major hearing aid manufacturers.

Russ is currently working in the field of solar energy. He is a technical consultant with an Austin-based company that makes solar test and measurement equipment. He is also developing a new DC optimizer to improve the output of solar panels.

He has been granted 52 patents, and has 38 patents pending. These cover a wide range of subjects including circuit design, system architecture, process design, device design, hearing aid system design, solar cell test technology and cloud interfaces for hearing aids.

Russ has served as a UPOP mentor over the last ten years and has found it to be one of the best and most satisfying experiences of his career and looks forward to returning to MIT and collaborating with students.

Florence Binet

Florence Binet is the Well Services & Coil Product Group manager for Schlumberger, the world’s leading supplier of technology, integrated project management and information solutions to customers working in the oil and gas industry worldwide. She manages a number of technology centers to design, develop, manufacture and deliver technologies and products that help several Schlumberger operating segments address client needs. Florence has 17 years of experience in research and development in the oilfield services. She has worked in the US and France in various assignments including engineering, manufacturing, operation supports and technology development. She spent six years in project management, directing multi-national, multi-domain teams with expertise in physics, electronics, mechanics and software. She took on the leadership role in the electronics technical community, and helped define standards and directions for Schlumberger in the electronics domain. After an assignment on operations support for a technology center, she was entrusted with a portfolio of research and engineering projects, defining the strategic technology and product roadmaps for the wireline business unit.

She graduated from Ecole Superieure de Physique et Chimie Industrielles in Paris and holds a PhD in solid state physics, in collaboration with Thales Research.

Living in Houston, she enjoys spending her free time with her family.
Mariquita Blumberg ’94

Mariquita Blumberg ’94 (Course 14) is an executive coach and organizational effectiveness consultant with more than 20 years of experience helping executives and organizations align themselves for success in a constantly changing environment. Mariquita works closely with CEOs and their boards to help executives grow along with their organizations, including most recently coaching the executive team of a $200MM software organization through a challenging merger. Prior to returning to consulting fifteen years ago, Mariquita was responsible for global sales operations for the $200 MM Technology Solutions division of DoubleClick (purchased by Google in 2007). Before DoubleClick, Mariquita managed product development for MovieFone’s e-commerce products including its web and phone systems (purchased by AOL in 1999). She began her career as a consultant working for Mercer Management Consulting providing business strategy, organizational development and re-engineering assistance to technology companies and financial institutions.

Mariquita holds a master’s in Organization Development from American University/National Training Laboratory and a Bachelor of Science in economics from MIT. She lives in Westchester, New York, with her husband and their three children. She is an avid golfer, reader, and enjoys a good movie when a babysitter is available!

Claudio Brasca ’03

Claudio is a partner in McKinsey’s San Francisco Office. He serves oil & gas clients, primarily in the Americas and Europe on topics relating to exploration, development and production of onshore and offshore resources. Claudio is also a leader in its RTS practice, having planned and executed a number of large complex restructuring and turnaround situations in technology and O&G businesses.

Claudio leads McKinsey’s Global Oil & Gas Upstream Operations Service Line, developing knowledge and tools to help clients improve safety and reliability of production assets, better manage well stocks and reservoirs, and optimize overall cash generation.

He also leads McKinsey’s Unconventional Service Line, where he is driving an industry-wide effort to better understand and benchmark the development and operation of tight oil and gas resources.

Claudio was course 6-1 and 15 at MIT and he graduated with an MEng in 2003 and now leads McKinsey’s recruiting efforts on campus. Before joining McKinsey, he worked as an electrical engineer at Analog Devices, designing integrated circuits for fiber optic applications. Claudio, who is originally from Italy, currently lives in Berkeley and travels to clients’ operations around the world.

Barry R Bronfin ’60

Barry Bronfin serves as managing director of Pickwick Capital, an investment bank focusing on advanced technology domains, venture capital and private equity. He is a retired general partner of Axiom Venture Partners, which manages $200 million through three separate technology-based venture capital funds. Earlier Barry founded, then became chairman and chief executive officer of, two publicly traded technology-based capital equipment leasing companies, each of which was eventually acquired: Financing for Science International (NASDAQ; assets >$500 million); and Scientific Leasing (AMEX; assets >$350 million).

Previously, he was principal scientist at United Technologies Research Center.

Dr. Bronfin has authored more than 20 scientific publications, received 12 US Patents, and serves on numerous corporate boards. Currently, he is a member of the MIT Corporation Development Committee, an Educational Counselor and officer of both the Class of 1960 and the MIT Club of Hartford. He holds SB, SM, ScD degrees (chemical engineering) from MIT, and an advanced degree in business from Yale University.

Barry is a longtime UPOP mentor and was the recipient of the Desh and Jaishree Deshpande Award in 2015 in recognition of his exceptional contributions to the program.

He and his wife Cecile reside in Avon, Connecticut, and Warren, Vermont.
Dominick Bruno ’76
Dominick has been with Orbital ATK in Dulles, Virginia, for more than 20 years. Prior to joining Orbital ATK he held engineering positions at Northrop Grumman, the Aerospace Corporation, and Lockheed Martin. Dominick is currently a senior staff engineer in Orbital ATK’s Space Systems Group, leading teams of engineers responsible for designing, analyzing, implementing, testing, and operating spacecraft attitude control systems. He was the lead attitude control system engineer for NASA’s Dawn asteroid rendezvous spacecraft, which recently completed its primary mission and is now in an extended mission exploring the two largest asteroids in the main belt, Vesta and Ceres.
Dominick graduated from MIT in 1976 (Course 16). He participated in a UROP (before there was UPOP) designing and building one of the first versions of MIT’s human-powered aircraft. Dominick lives in Maryland with his wife Helen and they have two grown children.

Paula Ferguson ’90
Paula Ferguson ’90 (Course 6) is currently a senior business analyst for ServiceNow, an enterprise cloud software company that is changing the way people work within organizations. Paula has more than 25 years of experience in the technology industry, serving in a variety of project management and business analyst roles as both a manager and an individual contributor. Prior to ServiceNow, she spent four years at Plum Creek Timber Company (now Weyerhaeuser) as a senior IT project manager/analyst, supporting their Real Estate and Recreation Lease businesses. Paula also has six years of IT experience at Avaya, including being on the integration team for the Nortel Enterprise Solutions acquisition and holding a staff position with the CIO. And in a previous life, she worked as a technical writer and editor for O’Reilly Media for 11 years, where she was involved in the early days of internet and web publishing and was the original editor of *JavaScript: The Definitive Guide* and *Java in a Nutshell*.

Paula has an MBA from the MIT Sloan School of Management (2005) and a bachelor of science in computer science and engineering, with a minor in women’s studies, from MIT (1990). While an undergrad, she played varsity softball for two years and rowed crew for a year, and she was recognized with the William L. Steward Jr. award for her work in revitalizing GAMIT. Paula discovered her interest in coaching others when she served as a lab TA for 6.001 for two years. And she also developed a lifelong addiction to great ice cream by working weekend shifts scooping ice cream at Toscanini’s.

Paula lives with her partner Sue and their black lab Cato in the resort town of Whitefish, Montana, which is about 30 miles from Glacier National Park. She spends her free time hiking and mountain biking in the summer and skiing in the winter. Paula loves living in Big Sky Country, but she misses the intellectual stimulation of MIT and Cambridge. So she serves as an Educational Counselor for MIT and as a class officer for the Class of 1990, and is excited to be a UPOP mentor. And it doesn’t hurt that she’ll get to enjoy more ice cream from Toscanini’s.

Kristin Foss ’83
Kristen Foss is senior director of Program Management at Salesforce. Prior to joining Salesforce she was a telecom consultant in Palo Alto, California, where she lives with her husband and two sons. She has 30 years of experience in the telecom industry where she has held leadership positions at Ericsson, ShoreTel, and a variety of telecom startups. Her experience spans hardware and software development, field engineering, product/program management, and customer support. She was part of the infrastructure build-out in eastern Germany following the fall of the Berlin Wall and German reunification.

Kristin is a long-time coach and board member of Little League and is a math/science mentor to underserved high school students. She received her BSEE in course 6 from MIT in 1983 and her MSSEE from Washington University St. Louis in 1985.

William Fraizer SM ’80
Will Fraizer has more than 36 years of experience in the international energy industry. He has held a number of technical management positions, which include supervising engineering groups for major process plant facilities, health, environment & safety management for a global operating company, and leadership of feasibility studies & front-end engineering for major capital projects. He has also initiated and led technology development programs in areas ranging from biomass conversion &
Will has had management or senior advisory roles with a number of multi-billion-dollar international joint venture energy-development projects in the USA, Australia, Nigeria and Papua New Guinea. These have involved integration of oil & natural gas production systems with processing & export facilities, in particular with liquefied natural gas production. He has also led or been part of special study teams focused on new venture acquisition, HES and project reviews, as well as coordinating capital project benchmarking.

In addition to handling technical issues in development, design, startup and operations, Will has been responsible for mentoring, career development, and budget & organization planning. He has conducted briefings for senior management, negotiations with joint venture partners and government permitting agencies, and presentations for public audiences.

For example, as HES Manager for Chevron Niugini, in PNG, Will negotiated environmental approvals for the Kutubu Oil Project, developed an agreement with WWF for an integrated conservation & community-development project and co-authored several SPE publications on energy projects in a developing nation.

Will's most recent roles were technical manager for commissioning & startup and deputy site engineering manager for Chevron Australia's Gorgon LNG Project. Gorgon is Australia's largest natural resource project and is one of the biggest natural gas production and export projects in the world.

Will graduated from MIT with a SM in chemical engineering practice. He received his undergraduate degree from Dartmouth College with a double major in chemistry and engineering sciences. From MIT he joined Chevron Research Company in the San Francisco Bay Area. He has worked with Chevron in California, Colorado, and Texas, had international resident assignments in PNG, Australia and the U.K., and consulted on projects in Venezuela, Nigeria, Kazakhstan, Indonesia & China. He recently took early retirement from Chevron and resides in Houston.

Mindy Garber '82

Mindy Garber '82 (Course 2) is Chief for Quality/Customer Satisfaction at Parlance Corporation, a company she helped found that develops automated operator solutions for enterprise telephone systems. Her responsibilities include corporate processes, support, training, field engineering and customer satisfaction. Prior to Parlance, Mindy was an engineer and service manager at Bolt, Beranek and Newman.

Since 2004, Mindy has also been active in the conflict resolution field, serving as a mediator with the Massachusetts District Courts and as an arbitrator with the Massachusetts Bar Association. She has mediated over 200 civil disputes, helping parties come to a mutually acceptable agreement without judicial intervention. She teaches workshops in negotiation skills, difficult conversations, and dispute resolution and is a guest lecturer at MIT.

Mindy has a master's degree in engineering from Stanford and a bachelor's degree in mechanical engineering from MIT. She attended Harvard Law School's Program on Negotiation and received mediator training from Mediation Works Inc. Mindy serves as an Educational Counselor for MIT and as a Leadership Coach for MIT's Community Catalyst Leadership Program.

Mark Herschberg '95

Educated at MIT (with degrees in physics, EE/CS, and a masters in cryptography) Mark has spent his career launching and fixing new ventures at startups, Fortune 100s, and academia. Mark has worked at and consulted to numerous startups, typically taking on roles in general management, operations, and technology. He has been involved from inception and fundraising through growth and sale of the company. These startup companies have included a wireless application platform, online advertising, lead generation, OLAP, and new language development. Mark was instrumental in launching http://ServiceLive.com/ Sears online home services labor market; he also helped fix NBC's online video marketplace (now http://Hulu.com/). In academia Mark spent a year at HBS working with two finance professors to create the upTick system now used to teach finance at many of the top business schools. At MIT Mark helped to start UPOP in 2001, and has been a mentor every year since. In his spare time Mark works with numerous non-profits and is one of the top-ranked ballroom dancers in the country. Mark currently consults to companies helping them turn around and achieve high growth.
Terry Higgins ’93
Terry uses both his electrical training and software experience to improve the testing and characterization of electrical products. At Synaptics, in Santa Clara, California, he manages a small group of mechanical, electrical and software engineers developing test methods for new families of human interface products. He enjoys the mix of disciplines, plus the optimizations required for high-volume production. At Acuson and Intuitive Surgical he learned to embed testability as a basic feature for medical systems, and to write host-based tools for the best operator experience.

Thanks to corporate cultures that encourage mentoring and training, Terry was fortunate to learn not only from his own mistakes, but also from the experience of technology veterans. Acuson offered lectures, led by experts from nearby companies and schools. Intuitive offered on-site training, and also sent Terry to Leadership Mountain View, a community-based program for professional development. Synaptics offers many on-site classes, both for technical needs and general career development, and facilitates direct mentoring by executives. These companies all encourage community involvement, and supported Terry's volunteer work in his children's classrooms, and on an independent foundation for public education.

By fortune of geography and weather, Terry bikes to work year-round, and sees more colleagues joining him each year. Terry and his wife, Gloria, are raising two high-schoolers in Mountain View. Both of his children participate in the local 4-H program, providing Terry not only honey and milk, but an excuse to visit the ranch with them in the middle of the work week.

Ralph Inglese ’82
After a 20-year career on Wall Street, Ralph has enjoyed spending more time with his family, traveling and pursuing new interests. He recently joined the board of directors of an international ecommerce startup, and started a business providing construction financing to smaller homebuilding contractors.

Ralph had been most recently employed by Natixis Capital Markets (2003 to 2009) where he worked in an area referred to as structured finance. He was co-head of the collateralized debt obligation (CDO) business. Ralph was responsible for origination, structuring and distribution of CDO transactions for a variety of investment management firms such as hedge funds and mutual funds. Previously, he held a similar role as a managing director in the Asset Securitization Group at CIBC World Markets (1996 to 2003). From 1989 to 1996, Ralph was a vice president at Citicorp where he worked in the U.S. securitization business structuring CDO transactions as well as the securitization of trade receivables, credit card receivables and future revenues. Prior to joining Citicorp’s securitization business, he held various positions in Citicorp’s M&A, Corporate Finance, and Leveraged Leasing Groups.

Early in his career, Ralph worked as a senior product engineer for Intel Corporation from 1982 to 1987. While at Intel, he managed product development and manufacturing for early-generation flash memory devices.

Ralph earned an SB from MIT in electrical engineering in 1982 and earned an MBA from Northwestern University in 1989. He is married and has three children ages 19 to 25. He enjoys playing sports, woodworking and designing/building a wide range of projects. He recently completed a two-year effort to build a replica of a 1965 Shelby Cobra race car. This project has offered him the opportunity to use his engineering background and to explore current developments in automotive technology.

Ed Keisling
Ed Keisling is the executive director of Product Engineering Operations at athenahealth, a leading cloud-based provider that is transforming the health care industry by helping doctors to manage their practices more efficiently and treat their patients more effectively. Broadly speaking, managing several key programs such as the Technical Program Management, Agile Transformation, Release Management, Strategic Alignment and Communication is part of his charter.

Ed came to athenahealth from Vecna Technologies where he was on the executive team and was responsible for all product development and support for their core health care application. Ed brings over 20 years of experience with fast growing technology companies, and has held leadership roles in software development, analytics, product management, partner implementation, business development, compliance, release engineering, and support. He has worked with Fortune 500 companies and governmental organizations to implement multi-million dollar department and enterprise-wide solutions. Ed is a Certified Scrum Professional and is an avid adopter of Scrum and Agile development processes.
Prior to Vecna, Ed was an engineering lead and director of deployment engineering at Pegasystems, the leading provider of rules-based Business Process Management (BPM) solutions. He provided oversight and or direct management of teams that developed key components to deploy, monitor, and manage the J2EE application.

**Dominika Kovacs**

Dominika Kovacs is VP, Head of R&D Transformation Office at Takeda and leads a large-scale, enterprise-wide initiative to achieve global R&D transformation objectives and build Takeda’s pipeline. Takeda focuses on discovering, developing and delivering innovative medicines that can have a life-changing impact for patients worldwide and ranks among the fastest-growing multinational pharmaceutical companies. Takeda’s focus is in three therapeutic areas: Gastroenterology, Oncology, and Value brands, which include off-patent and OTC products in almost 40 countries within the emerging markets.

Dominika joined Takeda in June 2015 as senior director of Strategic Planning and External Operations in the Vaccine’s Business Unit. Here she was responsible for building technical development rigor and program management within Vaccine Operations and leading external collaborations based on the sharing of program profit or risks. Prior to joining Takeda, Dominika was responsible for the technical development of the bacterial vaccine portfolio, from early development through lifecycle management, while on International Assignment in Siena Italy with Novartis. She then worked on the integration of Novartis with GSK.

With more than 17 years of experience in the biotechnology and pharmaceutical industry Dominika has applied both her technical and business acumen in this industry with Takeda, Novartis, Amgen, Johnson & Johnson and Procter & Gamble. Her experience includes leadership and management roles in technical development, manufacturing operations, translational sciences and business development. She has a master’s degree in business administration from the Anderson School at the University of California Los Angeles and Bachelor of Science in Biochemical Engineering from McMaster University in Canada.

**Rick Kunin ’79**

Rick Kunin ’79 (Course 6) recently joined Keurig as an engineering manager on their brewer development team. In his 30+ year engineering career, Rick has spanned a wide range of roles and companies, from manufacturing to R&D, hardware to software, engineer to director, and startups to Fortune 500 companies. Rick’s work has been focused on embedded systems, delivering products as diverse as HP DeskJet Printers, $1M lasers for semiconductor manufacturing, Bose home theater systems, and in-vehicle driver video recording systems. Just prior to joining Keurig, Rick spent four years pursuing an alternate career as a technical recruiter, starting when he joined fellow UPOP mentor Paul Edelman’s recruiting agency.

Rick received his BSEE from MIT in 1979 and his MSCS from Stanford in 1988. While this is his first year as a mentor, he has been volunteering for UPOP for 10 years and also serves as a Leadership Coach for MIT’s Community Catalyst Leadership Program. He lives in Framingham, Massachusetts, with his wife. In his spare time he referees soccer, a passion that began on the Briggs intramural fields.

**Jim Lambert ’76**

Jim Lambert is chief financial officer of Dassault Systèmes Simulia Corp., a leading developer of engineering analysis software used by manufacturing companies worldwide to improve product reliability, quality, and safety, and to accelerate product development cycles. The software is used in a wide range of industries, including automotive, aerospace, biomedical, electronics, and consumer products.

Prior to his current role, Jim advanced through a variety of positions in manufacturing companies in the chemicals, advanced materials, and process equipment industries. During 16 years at a leading industrial gas and specialty chemicals company, this included roles in finance, marketing, product management, investor relations, and business management. This was followed by positions as corporate controller and vice president, finance, for a company listed on the New York Stock Exchange, and then as chief financial officer for a private manufacturing company with sales exceeding $1 billion per year. Jim joined Dassault Systèmes Simulia as chief financial officer and treasurer in 2007.
Immediately after graduating from MIT, and prior to obtaining his MBA degree, Jim worked as a software engineer, developing the systems management and sequencing software used onboard the Space Shuttle.

Jim holds a BS from MIT in computer science and engineering, and an MBA from the Wharton School of the University of Pennsylvania. He remains actively engaged with both universities, volunteering his time to work with students, and to participate in various alumni programs.

**Marissa Martinez ’82**

Marissa is a Knowledge Transfer Consultant and CTO at The Steve Trautman Company, helping companies use tools and methodologies to preserve unique knowledge and measurably reduce workforce risk. She brings more than 25 years’ experience as a software product manager, developer, and tester at both startups and Fortune 100 companies, most notably Microsoft, where she was a senior manager and worked on such products as MSN, Microsoft Office, and developer tools.

Her startup experience building software products stretches across nine different industries, giving her a broad perspective on business and technology. She has been a founder of two startups and a small business and participated in all the activities involved in that process: seeking funding, developing the business strategy and plan, designing and developing the product, and marketing and selling to customers.

Marissa has spoken nationally and internationally on issues of technology and diversity. She is the recipient of an Hispanic Engineer National Achievement Award in Diversity, presented by Hispanic Engineer magazine, and both a Harold E. Lobdell Distinguished Service Award and Presidential Citation for her volunteer work with MIT and MIT Alumni. She holds a master’s degree from MIT Sloan (15J) and a bachelor’s degree from MIT (21E). She continues to pursue the humanities aspect of her SB, having had work published in journals and anthologies. Her personal interests include golf, genealogy, and collecting advertising playing cards. She is easily defeated at most action-based video games.

**Cathy Olkin ’88**

Cathy Olkin is a planetary scientist at Southwest Research Institute in Boulder, Colo. Her main topic of research is the outer solar system, specifically planetary atmospheres and surfaces.

Cathy enjoys chasing the shadows of stars to learn about planetary atmospheres – by watching starlight dim out as a planet passes between Earth and the distant star, you can learn about the pressure and temperature of the planet’s atmosphere. These ‘stellar occultation’ observations have taken Cathy to many exotic locations from Hawaii, to the Marshall Islands, to South Africa and Switzerland. She also enjoys studying the ices in the outer solar system using infrared spectroscopy.

Cathy attended MIT where she earned a bachelor’s degree in Aerospace and Aeronautical engineering in 1988. She then proceeded to Stanford to earn a master’s degree in the same field. After that, Cathy took a job at the Jet Propulsion Laboratory where she worked in the Navigation section on the Cassini mission.

Motivated by the exciting science of the Cassini mission, Cathy decided to go back to MIT to study planetary science. She obtained her PhD at MIT in 1996, based largely on airborne astronomical observations to study the atmosphere of Neptune’s largest moon, Triton.

From there, she worked at Lowell Observatory in Flagstaff, Ariz., investigating the rings of Saturn and using the Hubble Space Telescope data to measure the mass ratio of Charon (Pluto’s largest moon) to Pluto.

Cathy now works at Southwest Research Institute where she is currently the deputy project scientist for NASA’s New Horizons mission to Pluto. Working on New Horizons is the perfect job for her, combining her background in engineering and her scientific interests. The spacecraft traveled more than nine years and 3 billion miles to reach the Pluto system. This summer, New Horizons spacecraft flew through the Pluto system taking the first-ever high-resolution images of Pluto and its surface. The data from the encounter with the Pluto system is continuing to be returned to the ground, and we can already see that this information has transformed our understanding of the Pluto system. Additionally, Cathy is the deputy principal investigator for the newly selected mission, Lucy, to explore the Trojan asteroids to better understand the formation and evolution of the solar system.
Terry Olkin ’88

Terry is the co-founder and CEO of Left Hand Robotics, a Colorado-based company that specializes in building industrial-class, outdoor robots. Previously, Terry was a Fellow at Workday, Inc., a provider of enterprise cloud applications for human resources and finance, where he advised on architecture. Prior to Workday, Terry cofounded and was CTO at GridCraft, Inc., which was acquired by Workday in May 2015.

Before GridCraft, Terry was senior vice president and CTO of Oracle’s Global Business Units. In this role, he advised on M&A, architectural, and product-related issues across all seven of Oracle’s vertical industry product lines. Previously while at Oracle, he initiated, designed and led a team to build Oracle’s collaboration and social suite of software. Prior to that, he worked on key areas of Oracle’s flagship database product.

Since graduating MIT in 1988 (Computer Science and Engineering), he has worked at both large technology companies (Oracle, Microsoft, Workday) and small startups, including three that he cofounded. His experience encompasses everything from software engineering, project management, divisional management, entrepreneurship, raising money, building business plans, delivering products to market, and interacting with customers.

Terry is a named inventor on over 21 patents mostly in the areas of networking and data security. Terry was also instrumental in a number of common technology standards including the ANSI SQL database language, Java Database Connectivity (JDBC) interface, and the Java Messaging Service (JMS).

In his copious free time, Terry taught Enterprise Data Security at the University of Colorado – Boulder, mentors robotics teams, volunteers at numerous robot competitions, and is president of the GEAR AI.

Steve Projan ’74

Steve Projan is the head of Infectious Diseases & Vaccines Innovative Medicines unit (iMED) at MedImmune, leading a cross-functional team dedicated to the therapeutic area strategy, prioritization and advancement of the company’s infectious disease and vaccine portfolio.

Steve joined MedImmune in 2010 as senior vice president of research and development and head of the Infectious Diseases & Vaccines iMED.

Prior to joining MedImmune, Steve served as vice president and global head of Infectious Diseases at Novartis. He previously spent 15 years at Wyeth in roles of increasing responsibility, with his last post as vice president and head of Biological Technologies. During his time at Wyeth, he started the Biologics Discovery Group (covering all therapeutic areas) and initiated multiple collaborations and partnerships, most notably with Cambridge Antibody Technology (now a part of MedImmune/AZ). Prior to his work in the industry, Steve spent 14 years at the Public Health Research Institute and presently has over 110 publications to his credit.

Steve received a Bachelor of Science from MIT, and, from Columbia University, a Master of Arts and Philosophy in biological sciences and a doctorate in molecular genetics.

Art Reidel ’73

Art has helped build and scale profitable businesses in the web application security, electronic design automation, pharmaceutical software, semiconductor, and wireless communications industries for more than 40 years. He was CEO of Scintera, a mixed-signal wireless IC company from 2006 through 2010. Prior to joining Scintera, he was co-founder, chairman and CEO of Pharsight Corporation, where he led its IPO in August 2000. He was also president and CEO of Sunrise Test Systems, and has held executive positions with Weitek, Interactive Training Systems, and Schlumberger Computer-Aided Systems.

In addition to his management roles, Art is well-known in the investment community. Art has served as a general partner of Horizon Ventures since 2012, was a venture partner at Lightspeed Venture Partners from 2003 through 2005, and was a general partner of ABS Ventures from 1984 through 1991. He has been an active member of the Band of Angels since 1995 and is a partner in the Band's Acorn fund.

Art has recently served as a consultant to the management and board of WhiteHat Security, where he served as acting president in 2014, as chairman of Eye-Fi from 2011 through 2013, as chairman of Entelos from 2012 through 2014, and currently is a director of Materna Medical. Art holds a bachelor’s degree in mathematics from MIT.
Mark A. Rockoff ’69
Dr. Rockoff is currently a professor of anaesthesia at Harvard Medical School and vice-chairman of the Department of Anesthesiology, Perioperative and Pain Medicine at Boston Children’s Hospital.
A native of New Jersey, he graduated from the Massachusetts Institute of Technology in 1969 and Johns Hopkins Medical School in 1973. He then completed residencies in both pediatrics and anesthesiology at the Massachusetts General Hospital and a fellowship in neuroanesthesiology at the University of California at San Diego. Following two years on the staff at the MGH, he moved to Boston Children’s Hospital where he has been since 1981.
Dr. Rockoff is board-certified in pediatrics, anesthesiology, pediatric anesthesiology, and critical-care medicine. He has been a member of the Residency Review Committee for Anesthesiology of the Accreditation Council for Graduate Medical Education and is a past-president of the Society for Pediatric Anesthesia and the American Board of Anesthesiology. He is chairman of the Archives Committee at Boston Children’s Hospital and has had a long-standing interest in American and medical history. He and his wife have three children and two grandchildren and reside in Hingham, Massachusetts.

Rahul Saha ’94
Rahul was born and raised in St. Louis, Missouri. He received an SB in aeronautics and astronautics from MIT in 1994. He completed an MS in Aerospace Engineering from Georgia Tech in 1995. From 1996-1998 he was a systems engineer on the Taurus launch vehicle at Orbital Sciences Corporation. While on the program he supported three launches, sitting on console for one as the power engineer. From 1998-2005 he supported development of the hypersonic X-34 rocket plane, the Orbital Space Plane, and other human space flight endeavors as lead systems engineer at Orbital in support of NASA. From 2006-2009 he supported the government directly at the National Reconnaissance office. In 2009, he returned to Orbital as a mission architect for experimental space systems, chief engineer for a satellite program, and then deputy director of the Advanced Technology Laboratory. Currently, after the merger of Orbital Sciences Corporation and ATK formed Orbital ATK, Rahul manages a portfolio of experimental space programs within the National Security Systems group.

Keith Smith ’97
Keith Smith is senior director of Program Management at Salesforce focused on Infrastructure. Prior to joining Salesforce, he led product management of cartographic tile generation on Google Maps then Google Cloud Diagnostics over a 3-year period. Before Google, Keith completed a brief stint at Amazon where he was responsible for improving consistency and performance of the second-generation Kindle Fire tablets. Keith moved to Seattle after graduation to work at Microsoft for over 14 years following four successive summer internships. During the past 20 years, Keith has worked in various engineering and product management roles focused mainly on developer platforms, tools, and services.
Keith is originally from Dayton, Ohio, and received his SB from MIT in 1997 and MEng in 1998 (Course 6). Keith and his wife Latosha (MIT ’97, Course 15) reside in Kirkland, Washington, with their 7-year-old son, Owen. Latosha and Keith are avid travelers, recreational runners, and maintain close ties to the Institute and many fellow alums scattered around the globe.

Mike Szeto ’72
Mike Szeto held senior executive positions at W.R. Hambrecht + Co. (senior managing director, Venture Capital), J.P. Morgan Chase (managing director, Technology Investment Banking & M&A), IBM (VP, Corporate Development), and the Boston Consulting Group (consultant). He was also a co-founder of the Greenwich Ballet Academy, a 501(c)(3) nonprofit ballet school that trains talented young dancers for professional careers in ballet and contemporary dance.
Mike received his bachelor’s (computer science) and master’s (electrical engineering) degrees from MIT, and his MBA from the Harvard Business School. He continues to be an active volunteer at MIT and the Harvard Business School. He has been a guest instructor in several courses at MIT (Entrepreneurial Finance, Sloan Innovation Period, and UPOP), and a judge in the Harvard Business School New Venture Competitions and the MIT $100K Business Plan competitions.
Mohanan Unni

Mohanan Unni works at Schneider Electric, and serves as the director of Platform Innovation and Reusability. Schneider Electric (SE) is a global specialist in Energy and Information Management employing over 170K employees in over 100 countries. SE offers a number of innovative solutions for health care services, oil and gas industry, food services, mining and machine control, water treatment and management, electric utilities, smart cities, smart grids, technology consulting, and life sciences.

Mohanan works at the Boston One Campus of SE in Andover, Massachusetts. In his role at SE, he oversees a multi-disciplinary R&D team within the Innovation-Technology Business Unit of Schneider Electric. He brings more than 20 years of experience with imaging and machine control technology, and is currently working on developing secure high-speed Ethernet communication systems for industrial automation.

Prior to SE, Mohanan served as an engineering lead at both Polaroid Corporation and Intergraph Corporation, leading providers of imaging solutions. This is where he learned to be an innovative, hands-on, results-oriented engineering manager with a record of developing high technology products, improving processes and procedures to help drive quality, revenue, efficiency, and market share.

Mohanan received his BS & MS degrees in systems engineering from Boston University, and a doctorate in divinity studies from the King's University, California. In his spare time, he serves as a pastor of The Shepherd’s House, and is on the board of directors at the Council for Social Concern in Woburn, Massachusetts, a charitable, community-based agency responding to the daily basic needs of people of all ages while providing early childhood education and care. He also supports social-justice organizations in India specializing in aiding orphans, widows, and HIV-patients.

Mohanan lives in Winchester, Massachusetts, and is married to his college sweetheart, Victoria. They have one amazing son, Caleb. Mohanan may be reached at mohanan.unni@gmail.com.

Dennis Waldman ’76

Dennis Waldman is an MIT alumnus with undergraduate and graduate degrees in electrical engineering and aeronautical and astronautical engineering. He has two patents issued and five patents pending. His career as an engineer and marketing and sales manager includes such companies as Draper Labs, Northrop, Hewlett Packard, Cadre, Rational, and eStar Communications. He has served as an independent board member of the $800M fund, Grand Prix Funds, and a technical advisory board member of the Gas Plasma Implanter Company, Epion Corporation.

Dennis is currently founder and CEO of Barrett Productions, LLC, and its subsidiary, Cognatus Innovations, LLC. These companies have successfully launched numerous mobile apps (over 1 million downloads), multiple mechanical products, and, most importantly, electromechanical devices that communicate with mobile apps. These products are currently distributed through the leading music instrument company, Fender Music, and Patterson Medical, the world’s largest distributor of rehabilitation products.

Tom Wylonis ’68

Tom has had four careers and several avocations, so far, obtaining a rich learning experience as an angel investor/mentor, educator, top-management consultant and engineer/mathematician.

Angel Investor/Mentor: Tom is an angel investor in 10 high-tech companies in Denmark and the USA. Among these companies, he is currently board chairman & mentor to the founders of Evaxion Biotech, a bioinformatics, vaccine company headquartered in Denmark. And he is a board member and coach to the founders of Vertic, a digital marketing company, with offices in Copenhagen, New York City, Seattle and Singapore. He was also the founding chairman of Connect Denmark, a foundation that supports a majority of high-tech startups in Denmark.

After Tom returned to the USA in 2007 after living 26 years in Denmark, he re-engaged at Penn State and MIT in mentor-driven programs. He has mentored a student from the electrical engineering department at Penn State since 2011, and has been a mentor at MIT since 2013 in UPOP, an annual leadership/interpersonal skills program for sophomores.

Educator: Tom joined SIMI in 1997, an executive-education school in Denmark, as a senior vice president, program director and adjunct professor of innovation. At SIMI, Tom taught strategy and innovation; was a thesis advisor for over 50 MBA students; started executive programs for high-tech industries; advised over 100 teams on real projects for their sponsoring companies; led the overall
program of executive education; and created many of SIMI’s innovations in experiential education.

Tom is currently on the advisory board of Penn State Schuylkill and is assisting in the introduction of experiential learning programs in interpersonal skills and entrepreneurship at Schuylkill.

At the Copenhagen International School (CIS), a K-12 school, Tom was elected to the board of directors in 1988 serving as chairman 1993-1995, and coached boys’ and girls’ basketball teams in international competition. He is currently the chairman of the CIS USA Foundation.

He also taught in numerous internal training programs at McKinsey & Co., led the training and development of consultants, mentored associates & partners, and led the Copenhagen office.

Management Consultant: Tom has had extensive experience in high-tech business during his 22-year, international career as a top management consultant with McKinsey & Co. He led teams that improved the performance of large, international companies through strengthened strategy, organization and operations. These clients covered a wide range of industries including aerospace, automobiles, consumer products, energy, forest products, industrial products, media, medical & pharmaceutical products, etc. in Canada, Europe, India, the USA and Venezuela. He is a retired senior partner and an active member, still, of the McKinsey network of alumni.

Engineer/Mathematician: In 1967, Tom joined The Bell Telephone Laboratories as a Member of Technical Staff. During his eight years at Bell Labs, Tom worked on network optimization algorithms, development of Picturephone®, and economic evaluation of new products. It was here that he learned about the differences between high-tech invention, innovation and entrepreneurship.

Tom received a BSc in Electrical Engineering in 1967 from Penn State. He obtained a MSc from MIT in Electrical Engineering/Operations Research in 1968. Tom was advised during his thesis work by Professor Franco Modigliani, a Nobel Prize winner in economics. He earned his PhD in Operations Research in 1972 from the New York University.

Charlie Yie ’80

As a 30+ year veteran of the VC and PE industry Charlie is currently active with two other colleagues at ALY Holdings, a firm they founded to invest their own capital in promising industrial product companies in New England.

Over a 30-year career at Ampersand Capital Partners he was engaged in VC and PE investing in both high-tech and medium-tech businesses across a range of industries including communications, software, and industrial technology and manufacturing. He has served on approximately 30 boards during the course of his career, including serving as chairman of both private and public companies. He currently serves as a senior advisor at Ampersand.

Prior to joining Ampersand he graduated in 1985 with an MS Management from Sloan after working for three years at Hewlett-Packard. He graduated in 1980 with a BSEE from MIT where, as an undergraduate, he rowed crew during freshman year and was active in leadership roles at his fraternity.

Charlie and his wife live in a suburb of Boston and have three grown children. He is an avid golfer and a private pilot.
Brian Brandt

Brian Brandt received a BSEE from Purdue in 1985, and an MS and PhD in electrical engineering from Stanford in 1986 and 1991. He then began a 25-year career in the semiconductor industry at Texas instruments, IBM, a successful startup, National Semiconductor, and Maxim Integrated Products. He led design teams to bring over 40 products to high-volume manufacturing. He currently focuses on identifying and launching new technologies and businesses for Maxim.

At MIT, Brian participates in the Gordon Engineering Leadership program, serves on PhD committees, and has mentored several 6-A and other students. He was a visiting scientist for four years, focusing on advanced medical electronics as well as teaching and serving on the MTL Industrial Advisory Board.

Dr. Brandt is a fellow of the IEEE and an active private pilot. He and his wife live in New Hampshire and have two children in college.

Wayne Delker

Wayne Delker has spent more than 30 years in business leading innovation organizations and developing innovation processes, capability and culture. He recently retired as senior vice president & chief innovation officer of Clorox, where he led worldwide R&D and innovation for all of the company's products, processes, and packages and oversaw the company's stewardship activities.

Prior to joining Clorox, Delker spent 14 years with General Electric, where he served as general manager of Six Sigma Quality and general manager of R&D for GE Silicones.

He is currently a member of the Fung Institute for Engineering Leadership, leading the Capstone program with responsibility for 80 yearlong projects that give UC Berkeley Master’s of Engineering graduate students the opportunity to combine their technical knowledge with skill in teamwork, leadership and innovation to develop new products and technology.

Delker also serves on the board of the Lighthouse Community Charter School in Oakland, California, a leader in developing innovative education methods for K-12 with a particular emphasis on teaching in underserved school systems.

A native of Pennsylvania, Delker holds a bachelor's degree in chemistry from the University of Chicago. He received his PhD in chemistry from Columbia University.

James Goebel

James is a founding partner of Menlo Innovations, an innovative product design firm. Menlo’s mission is to end human suffering as it relates to technology. In order to accomplish this lofty goal, James helped build Menlo's High-Tech Anthropology® team. The High-Tech Anthropologists® study how humans interact with products and determine how the product design can be improved in order to fit the technology into the human’s frame of reference instead of training the humans in how they should use the technology.

Menlo achieves its high level of innovation through a deeply collaborative work style. The organization has no offices, no cubes, no assigned seating. Teams assemble their own temporary work areas and work together face-to-face. James not only established these practices and the associated team-oriented culture at Menlo, but has helped other companies adopt these types of practices as well. Representatives from startup companies as well as large Fortune 500 firms routinely tour Menlo's Software Factory environment to study its implementation of agile.

Prior to Menlo, James has worked in a variety of environments from two-employee startups up to billion-dollar organizations. As a coach and change agent, James has helped organizations achieve dramatic transformations in both process and culture. He enjoys speaking at conferences, teaching classes, and speaking to small local groups in order to share the lessons he has learned.

James Goebel is a certified Project Management Professional (PMP), a certified SCRUM master, and has an MBA from Eastern Michigan University. During his career he has helped deliver products in a wide variety of fields including: banking, vehicle diagnostics, gene sequencing, test generation for professors, online presentment and payments, ultrasound diagnostic devices, and flow cytometers.
Jay Kunin ’71

Jay Kunin is managing director of Professional Health Technologies (USA), a strategic consulting firm serving companies who seek to bring new products, services or technologies to the US healthcare marketplace. He is the Interim Manager of the Research Translation Group at UC Irvine. He is also a lecturer in the Jacobs School of Engineering at UC San Diego, teaching “entrepreneurship for engineers.” In addition, Jay is a long-term member of the Tech Coast Angels, the largest angel investment group in the US, where he has served on the board of directors and as head of the BioMed Track.

Jay has served on the boards of numerous startup companies, in the software, internet, genomics, and regenerative medicine industries, with a particular expertise in the convergence of software and life sciences. He is currently a director of PharmaSecure, Inc. (India); Lifetime Health Diary LTD (New Zealand); Sironis, Inc. (Irvine, California). Jay began his career as a technology strategy consultant and manager with Hammer & Company, Inc. (founded by Prof. Michael Hammer, MIT EECS), the firm that pioneered Business Process Re-engineering, where his clients included large financial services and manufacturing firms in the US, Europe and Latin America. He has co-founded several software companies, including RxSys International, which he led through an IPO in 1988. He has worked as senior executive at growth companies, including president of Bensoft, Inc. (acquired by public company Metavante, Inc.); Partner & VP of Securities Industry Software Corp. (acquired by Citicorp); and VP of Engineering at Golfweb (acquired by CBS). He was CIO of public biotech company Scios, later acquired by J&J, and of a venture-funded biotech and two CROs.

Jay earned his SB (XII-B), SM (XII), and PhD (VI) degrees at MIT, and is vice-chair of the MIT Educational Council in San Diego.

Julius Kusuma PhD ’06

Julius is a program manager and principal scientist at Schlumberger-Doll Research located in Kendall Square. He works on data compression and telecommunication technologies for wireless communications over acoustic and electro-magnetic channels. Additionally, he works on signal processing technologies for positioning, and fundamental signal acquisition technology for low-power devices. He also executes the Schlumberger Ambassador Program for MIT.

He has a BSEE from Purdue University (’99), MSEE from UC Berkeley (’01), and PhD in EECS from MIT (’06). While at MIT he was president of the MIT Epicurean Club and member of the MIT Cycling Club. Today he enjoys cooking, cycling, and reading books on early modern history. He and his wife Krista are also busy parenting their two sons!

Krishnan Natarajan ’79

Krishnan has been involved in various marketing roles since moving to the San Francisco Bay area in 1988. He’s been involved with several iconic companies (Hewlett Packard, Intuit and Netscape) as well as several startup and growth technology firms. His current responsibility is leading the revenue marketing team at WhiteHat Security, a mid-size security startup.

Krishnan is a dedicated follower of entrepreneurial gurus such as Steve Blank and Geoffrey Moore. He has been active in organizations mentoring the next generation of entrepreneurs—notably TiE (The Indus Entrepreneurs) as well as the incubator at IIM Ahmedabad.

He has achieved a trifecta of degrees from MIT: SB (1979), SM (1980), both in Course 16, and an SM (1988) from the Sloan School.
Rahul Singhvi ’89

Rahul Singhvi, ScD, MBA, is chief operating officer of Takeda’s Global Vaccine Business Unit and is responsible for global supply of vaccines at the Takeda Pharmaceutical Company.

Before joining Takeda, Dr. Singhvi was president and CEO of Novavax, a Nasdaq-listed biotechnology company. During his tenure at Novavax, Dr. Singhvi transformed the company from a specialty pharmaceutical business to a premier vaccine company with a robust pipeline. Dr. Singhvi’s professional career began at Merck & Co. in 1994, where he held several key positions in R&D and manufacturing. At Merck, he co-led a project team that oversaw the development of Varivax®III (chickenpox vaccine), ProQuad® (MMRV pediatric combination vaccine) and Zostavax® (Shingles vaccine).

Dr. Singhvi graduated as the top-ranked chemical engineer from IIT, Kanpur, India, and obtained both his MS and ScD chemical engineering degrees from MIT. He received an MBA degree from the Wharton School of the University of Pennsylvania, where he graduated as a Palmer Scholar.

Judy Stein ’78

Judy received a Bachelor of Science from MIT and a Master of Science from Stanford University. Judy first worked in the oil industry as a geoscientist and particularly enjoyed being out in the field, running seismic surveys and being on drilling rigs. She moved into software, first to a company that wrote software for the oil industry, then to software companies in different industries. Judy’s done test/quality assurance, training, and customer support; she’s worked on and completed enterprise-wide projects, such as the application integration of acquired companies; she has also managed projects and has been a proponent of agile/scrum project methodologies.

While doing technical work, Judy saw again and again that it wasn’t technical problems that tripped up projects, it was people and interpersonal/communication issues. So Judy combined her technical and people strengths, as well as her passion, and founded Solutions for Corporate Growth, Inc. (http://www.solutionscg.com). The goal of the company is to enhance collaboration and productivity in organizations, as well as work with clients on a personal level to find new choices and success. This is done in a number of ways:

- Help companies adopt the highly collaborative Agile/Scrum framework to manage projects and support teams (Judy is a Certified Scrum Master).
- Facilitate highly participatory trainings for leaders and teams to identify and use their behavioral and communication strengths for increased productivity. She uses LIFO (www.lifo.co) assessment surveys and tools for success.
- Work with people individually or in small groups to experience and express thoughts and feelings in a safe environment, to work through issues from the past that affect the present, and to develop healthy boundaries. This leads to living life in a happier, more contented way.

Judy currently lives in Seattle and enjoys travel, hiking and sailing. She is also an avid reader of fictional murder mysteries.
Armen Vidian '92

Armen brings the perspective of an entrepreneur and startup co-founder, a product marketer in Fortune 500 healthcare companies, and an investor to Data Collective (DCVC) as an operating partner. He leverages these diverse experiences to guide companies in the portfolio in their growth, focusing specifically on those in healthcare.

Armen’s operational experience spans across medical devices, pharmaceuticals, insurance, and Big Data startups in healthcare. Early in his career, he developed an online pharmacy for one of the first patient health record companies. He then spent several years in product management and early market development for first-in-class technologies at Guidant, Edwards Lifesciences, and Evalve (acquired by Abbott Laboratories). After Abbott, he co-founded BlueTalon, which was initially focused on enterprise data security for data-driven clinical trial design and population health management.

In addition to his operating role, Armen also leverages his unique cross-industry experience in technology and healthcare to identify new high potential startups for investment at the intersection of Big Data and the life sciences. Armen holds an MS in management science from Stanford University and an SB in biomechanical engineering and a minor in French from the Massachusetts Institute of Technology.

Jill Wittels ’70

Dr. Jill Wittels, managing partner of Sostenuto Strategic Advisors, is a public board chair, private board director, CEO mentor, and angel investor. She serves as fiduciary or advisory director or strategic advisor to technology companies in a wide range of markets. Currently she is chair of the board of eMagin (EMAN), an OLED micro-displays company, and an advisory board director for SmartSenseCom, Hunter Creative Labs and Ras Labs. Her primary nonprofit experience was nearly 20 years on the board of directors of Fermi Research Alliance, which operates the DOE’s Fermi National Accelerator Laboratory. She also serves as a CEO advisor/mentor to early stage companies in the New England high tech zone in markets from biotech and medical IT to mobile banking security. Since launching SSA in July of 2011, Dr. Wittels has also consulted for several of the top-rank aerospace and defense enterprises.

In July 2011 she retired as corporate VP of Business and Technology Strategy at L-3 Communications (2001-2011) where she worked directly for the CEO. Her first board directorship was for eight years as a L-3’s board director for Innovative Microtechnologies Inc, a California-based MEMS company.

Dr. Wittels has nearly 35 years of experience with business unit P&L management, strategy, engineering management and leadership. She received a Bachelor of Science degree in Physics from MIT in 1970 and a PhD in Physics from MIT in 1975.

She is a member of the National Association of Corporate Directors, the Corporate Directors Group, Women Corporate Directors, The Boston Club, and the American Physical Society.

Dale Zeskind ’76

Over the past 35 years, Dale has worked with more than 300 technology companies as a management consultant, angel investor and board member within the purview of his firm, D. A. Zeskind & Associates, based in Bedford, Massachusetts. He specializes in technology business development, helping companies to identify, evaluate and implement opportunities for growth. The companies he’s worked with range from startups to major multinationals and encompass a broad spectrum of technology-based products, services and markets.

Dale’s education includes a BS in electrical engineering from the University of Michigan, an SM in EE/CS followed by the electrical engineer degree, both from MIT. He’s been awarded five US patents in technologies ranging from microwave signal processing and high-speed analog-to-digital conversion, to intelligent controls, remote sensing and advanced materials.

Dale is an experienced pilot and aircraft owner, holding multi-engine airplane, helicopter and instrument ratings. He’s logged more than 5,000 hours as pilot-in-command of a variety of airplanes and helicopters.
Chris Resto ’99 (visitor)

Chris is the founder and managing partner of Blueprint Talent Group, a boutique consulting firm that helps growing organizations with recruiting strategy, process, and execution. Blueprint’s global client base includes large and startup tech companies, venture capital firms, trading firms, and universities.

Chris and his business partner, Ian Ybarra, are also co-authors of RECRUIT OR DIE: How Any Business Can Beat the Big Guys in the War for Young Talent (Penguin Portfolio, 2007), which played a key role in shaping Blueprint’s values, philosophy, and approach to strategic recruiting and talent management. Their book grew from experience building the largest internship and professional development program at MIT (UPOP) and conducting a three-year research study to test their observations with companies and universities in the US and abroad. As founding director of MIT’s Undergraduate Practice Opportunities Program (UPOP), Chris led a team that engaged thousands of employers seeking top engineering talent, and he personally visited over 300 companies.

In 2007, Chris joined the electronic trading firm GETCO (now part of KCG), where he served as co-head of global staffing after building their firm-wide recruiting program for quants and new graduate traders. He later served as coach to the CTO and director of strategic planning for the firm.

After earning a bachelor’s degree in civil and environmental engineering from MIT, Chris started his career with the European-based strategy consulting firm Gemini Consulting, where he managed a team of consultants performing strategic market research for both entrepreneurial and well-established corporate clients.

Chris lives in Chicago and loves eating gluten-free food, watching movies, lifting weights and traveling.