

BILL BAROUSKI

Senior Vice President & Deputy Chief Information Security Officer

Bill is the Deputy Chief Information Security Officer at Northern Trust and assists the Chief Information Security Officer in the security of company and client information and for Northern Trust's global business.

Bill has 35 years of industry experience. Prior to joining Northern Trust, he served as executive vice president and chief information security officer for the Federal Reserve System. As product manager, he managed the Federal Reserve's nationwide electronic payments and information delivery network, national sales and marketing strategies.

Bill received a bachelor's degree in finance from the University of Illinois, an MBA from the University of Chicago, and a master's degree in information technology from the McCormick School of Engineering at Northwestern University.



PENELOPE BIGGS

Executive Vice President & Chief Strategy Officer, C&IS

Penelope is Chief Strategy Officer for Corporate & Institutional Services and is responsible for strategic planning, communication and implementation of the global strategy for Northern Trust's institutional business, as well as the ongoing execution and refinement of strategic imperatives to capitalize on industry trends, regulation, technology, opportunity and innovation.

Prior to Penelope's role as CSO she was responsible for Northern Trust's asset owner business in the EMEA region, providing asset servicing/asset management solutions for institutional investors.

Penelope is on the board of Northern Trust Global Services and is a member of the C&IS Global Executive Committee. She sits on the Advisory Board of the Royal Philharmonic Orchestra. She has a long-standing nomination from the Financial News Top 100 Women in Finance and is active in several organizations championing women in business. She also heads Northern Trust's EMEA LGBT diversity group.



MICHAEL R. BLOOMBERG

Founder, Bloomberg LP and Bloomberg Philanthropies

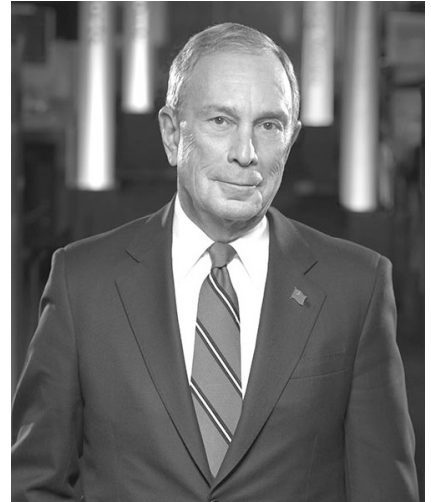
Michael is an entrepreneur and philanthropist who served as mayor of New York City for three terms. The technology startup he launched in 1981 provides real-time data and analysis to the financial services industry and now employs over 19,000 people in 73 countries. He led the company for 20 years before entering public service full-time, and since leaving City Hall in 2013, has resumed leadership of Bloomberg LP.

Michael was elected mayor less than two months after the terrorist attacks of September 11, 2001. Under his leadership, the city rebounded faster and stronger than expected on issues ranging from education to health to economic development.

A lifelong philanthropist, Michael founded Bloomberg Philanthropies, which focuses on five main areas: public health, education, the environment, the arts, and government innovation. He also leads a number of bi-partisan coalitions on urgent issues, including climate change, illegal guns, immigration reform and infrastructure investment.

Michael was named Global Ambassador for Noncommunicable Diseases by the World Health Organization in 2016.

Michael graduated from Johns Hopkins University and Harvard Business School.



NEIL CAMPLING

Senior Research Analyst & Head of Global TMT Research

Neil is a Senior Research Analyst and Head of Global TMT Research for Northern Trust Securities, Northern Trust's institutional brokerage business.

Neil joined Northern Trust in May 2016 with the acquisition of Aviate Global and has over 20 years' experience in the investment community.

Prior to joining Northern Trust, Neil spent over six years at Aviate Global as a senior analyst and Head of Global TMT Research. Neil's previous experience includes being CFO of Aptara Inc., and as a TMT Fund Manager at New Star Asset Management Ltd., Aberdeen Asset Management and Prolific Asset Management. He is a frequent contributor to CNBC and Bloomberg and is often quoted in international publications. He was a guest speaker at the Financial Times Festival of Finance and a finalist in the CityAM UK Analyst of the Year Award for 2016.



PETER B. CHERECWICH

President of Corporate & Institutional Services

Pete is a member of the Management Group at Northern Trust and is President of Corporate and Institutional Services.

An industry veteran, Pete brings more than 25 years of experience in working in a global organization and managing extremely large and complex client relationships.

Pete joined Northern Trust in July 2007 as head of Institutional Product and Strategy. Prior to joining Northern Trust, he served in various executive and lead operational roles at State Street Bank.

Pete received a bachelor's degree from Brandeis University and an MBA from Suffolk University. He sits on the board at National Louis University and is a sponsor for Urban Initiatives, an organization that serves children in underserved communities in Chicago.



JASON HEALEY

Senior Research Scholar, Columbia University

Jason is a Senior Research Scholar and an adjunct faculty member at Columbia University's School for International and Public Affairs, specializing in cyber conflict and risk.

Prior to this, he was the founding director of the Cyber Statecraft Initiative of the Atlantic Council, where he remains a Senior Fellow.

Jason started his career as a U.S. Air Force intelligence officer, before moving to cyber response and policy jobs at the White House and Goldman Sachs. As director for cyber policy at the White House, he helped advise the President and coordinate U.S. efforts to secure U.S. cyberspace and critical infrastructure. He created the first cyber incident response team for Goldman Sachs and later oversaw the bank's crisis management and business continuity in Hong Kong.

Jason is on the Defense Science Board task force on cyber deterrence and is a frequent speaker at security conferences. He is president of the Cyber Conflict Studies Association, and has been adjunct faculty at NSA's National Cryptologic School, Georgetown University and Johns Hopkins School of Advanced International Studies.



JIM MCDONALD

Executive Vice President & Chief Investment Strategist

Jim is an Executive Vice President and the Chief Investment Strategist for Northern Trust. He chairs the Northern Trust Tactical Asset Allocation Committee, is a member of the Investment Policy and Private Equity Investment Committees, and is trustee of the Northern Trust Alpha Strategies and Equity Long/Short Strategies Hedge Funds.

Prior to joining Northern Trust in 2001 as the Director of Equity Research, Jim was Director of Equity Research at ABN AMRO in New York and Chicago (1994-2000) and Equity Research Analyst at ABN AMRO following the Environmental Services Industry (1990-1994). He started his professional career in 1981 with Arthur Andersen & Co. in Detroit.

Jim received a bachelor's degree in business from the University of Michigan and an MBA degree with high distinction from Babson College. He is a member of the CFA® Society of Chicago and a registered CPA in Michigan.



BARACK OBAMA

44th President of the United States

Few presidents have walked a more improbable path to the White House than Barack Obama. Born in Hawaii to a mother from Kansas and a father from Kenya, Obama was raised with help from his grandparents, whose generosity of spirit reflected their Midwestern roots.

After working his way through college, Obama moved to Chicago, where he worked with a group of churches to help rebuild communities devastated by the closure of local steel plants. That experience honed his belief in the power of uniting ordinary people around a politics of purpose and in the hard work of citizenship to bring about positive change.

He went on to law school, where he became the first African-American president of the *Harvard Law Review*.

He then returned to Illinois to teach constitutional law at the University of Chicago and begin a career in public service, winning seats in the Illinois State Senate and the United States Senate.

On November 4, 2008, Barack Obama was elected the 44th President of the United States, winning more votes than any candidate in history. His leadership helped revitalize the American auto industry, reform the healthcare system and put the country on a course to a clean energy future – all while overseeing the longest stretch of job creation in American history.

Barack Obama and his wife, Michelle, are the proud parents of two daughters – Malia, 18, and Sasha, 15.



MICHAEL O'GRADY

President & Member of the Board of Directors

Mike is President of Northern Trust and a member of the Board of Directors. As President, Mike oversees the Wealth Management, Corporate & Institutional Services and Asset Management businesses and serves as a member of the Corporation's Management Committee.

Prior to assuming his current role, Mike served as President of the Corporate & Institutional Services business unit at Northern Trust. From 2011 to 2014 Mike served as Executive Vice President & Chief Financial Officer of Northern Trust.

Mike earned a bachelor's degree in business from the University of Notre Dame and an MBA from Harvard Graduate School of Business.

He is a member of the boards of trustees of The Field Museum and the Museum of Contemporary Art Chicago, the Finance Council of the Archdiocese of Chicago, and the Board of Advisors of Catholic Charities.



PETER SANCHEZ

Executive Vice President & CEO, Northern Trust Hedge Fund Services

Peter is an Executive Vice President at Northern Trust and CEO of Northern Trust Hedge Fund Services (NTHFS). He is responsible for the strategic planning, development and launch of NTHFS as well as for elevating Northern Trust's profile by leveraging the capabilities of Omnium.

Prior to Northern Trust's acquisition of Omnium, Peter was Omnium's Global Head of Business Development and Client Service.

He also served as CEO of OpHedge Investment Services, another hedge fund administration company.

Peter was Global Head of Operations and Prime Brokerage for Royal Bank of Canada (RBC) Capital Markets. Prior to RBC, Peter was Global Head of Operations for Greenwich NatWest. He began his career at Salomon Brothers, where he held several positions in operations management.

Peter received a bachelor's degree in economics from Princeton University.



JANA R. SCHREUDER

Chief Operating Officer

Jana is a member of the Northern Trust Executive Management Group and is the Chief Operating Officer. Jana leads Northern Trust's business enablement activities for the global enterprise which includes: business model and data architecture; change management resourcing and governance; client and partner experience research; operations; product development and technology.

Prior to her current role, Jana was President of Wealth Management. Before that, she was President of Operations & Technology responsible for the technology infrastructure and applications development as well as custody and banking operations.

Jana joined Northern Trust in 1980 as an employee benefits accountant. During her extensive career, she has also managed such areas as Securities Operations, Information Delivery, and Risk and Performance Services.

Jana is currently a Director at Entrust Datacard Corporation; Director & Treasurer with the Chicago Public Education Fund; Director at the Lyric Opera; Member of The Committee of 200; and Co-Chair of the Chicago Chapter of Women Corporate Directors.



PATRICIA SELLERS

Executive Director, *Fortune* Most Powerful Women Summits

Pattie is the executive director of [Fortune Most Powerful Women Summits](#) and Live Content at Time Inc. An award-winning magazine writer, interviewer and multimedia journalist, she has written more than 20 cover stories during her career at Fortune.

Pattie is co-founder with Nina Easton of SellersEaston Media (SEM), a media company that produces stories of outstanding achievers. She co-founded and now oversees Fortune Most Powerful Women (MPW) events and programs, which began in 1998 as an annual ranking of the top women in business, and is now the magazine's largest and most valuable franchise. Fortune MPW includes six annual conferences across the globe.

In 2013, Pattie won Time Inc.'s prestigious MVP (Most Valuable Performer) award for her innovative work at Fortune and her contributions across its parent company.



JONATHAN C. TRULL

Global Chief Cybersecurity Advisor, Microsoft

Jonathan is the Global Chief Security Advisor for Microsoft's Enterprise Cybersecurity Group. He provides thought leadership, strategic direction on the development of Microsoft's security products and services, and deep customer and partner engagement around the globe.

Before joining Microsoft in 2016, Jonathan was Vice President and Chief Information Security Officer (CISO) with Optiv, where he was responsible for developing and executing the company's information security strategy and program. Prior to this, Jonathan was CISO for Qualys.

Jonathan serves as an advisor to several security startups and venture capital firms. He is a regular speaker at major security events such as RSA, Black Hat, Gartner, CSO50 and SANS. He earned a bachelor's degree from the Metropolitan State University of Denver and a master's degree from the University of North Texas.



MATT WHINERAY

Chief Investment Officer, New Zealand Superannuation Fund

Matt is Chief Investment Officer of the New Zealand Superannuation Fund. He is responsible for the Fund's investment activity in listed and unlisted markets through investment managers and the Fund's direct investment activity.

He joined the Fund in May 2008 as General Manager, Private Markets and became Chief Investment Officer in 2014. Previously, Matt was head of Financial Sponsor Coverage for non-Japan Asia at Credit Suisse in Hong Kong, a Managing Director at First NZ Capital in New Zealand and a Vice President at Credit Suisse First Boston in New York.

Matt began his career as a barrister and solicitor with Russell McVeagh in Auckland. He is a member of the Future Investing General Agenda Council for the World Economic Forum.



MARIE WIECK

General Manager, IBM Blockchain

Marie is general manager of Blockchain at IBM. She is responsible for IBM's participation in the Hyperledger project and in building an open blockchain ecosystem for developers and service providers to create and run enterprise blockchain networks and solutions. Over the last 25 years, Marie has held several technical and executive roles in IBM's hardware, software, and services units.

Marie is on the board of the Anita Borg Institute and Charity Navigator, and is co-chair of National Association of Female Executives (NAFE) Roundtable. She is the executive sponsor of IBM's Global Work/Life Initiative. In June 2015, Marie was named to the Women in Technology International (WITI) Hall of Fame and in 2016 she was recognized as a Women of Vision STEM Champion by NAFE.

Marie has a bachelor's degree in engineering from The Cooper Union, a master's degree in computer science from Columbia University, and an MBA from New York University. She is a member of the Institute of Electrical and Electronics Engineers (IEEE) and the Society of Women Engineers (SWE).

