PRIVATE AND INSTITUTIONAL CAPITAL
INVESTING IN ENVIRONMENTAL SOLUTIONS

Investment Forum: April 25-26
Innovation Expo: April 26-28
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Thursday, April 25, 2019
LOCATION: HILTON ANATOLE HOTEL

7:30 AM  NETWORKING BREAKFAST AND REGISTRATION

8:30 AM  WELCOME
Tony Keane, CEO, EarthX
Trammel S Crow, Founder, EarthX
Matt Myers, Vice President, EarthxCapital

8:50 AM  KICKOFF
Ryan Kushner, Author, Accelerate This!

9:00 AM  OPENING KEYNOTE & FORBES ICONS OF IMPACT INTERVIEW
MODERATOR: Brendan Doherty, Co-Founder and Head, Forbes Impact
Billy Parish, Co-founder and CEO, Mosaic

9:25 AM  EARLY-STAGE GAME CHANGERS
We’ll hear from early-stage companies you need to keep on your radar.

MODERATOR: Richard Amato, Director, Clean Energy, Austin Technology Incubator
Tony Bova, Co-founder and CEO, Mobius
Jill Fuss, Founder and CTO, Cinder Biological
Amy George, CEO, Earthly Labs
Andrew Ponec, Co-founder and CEO, Antora Energy
Jason Salfi, Co-founder and CEO, Dimensional Energy

10:05 AM  CAPITAL FACTORY + E-CAPITAL SUMMIT CLEANTECH CHALLENGE FINALISTS
Capital Factory + E-Capital Summit $100K Cleantech Challenge finalists deliver popcorn pitches.

10:45 AM  COFFEE BREAK
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| 10:55 AM   | **WHAT’S DIFFERENT ABOUT EARLY-STAGE CLEANTECH INVESTING — A VIEW FROM BOTH SIDES**<br>The increase in venture capital has changed the game for cleantech and impact investing as a whole. We will explore the issues and opportunities that accompany this new reality.<br><br>**MODERATOR:** Chris Ripley, CEO, Smarter Sorting  
Sara Chamberlain, Managing Director, Energy Foundry  
Johanna Wolfson, Principal, PRIME Impact Fund  
Abe Yokell, Co-Founder and Managing Partner, Congruent Ventures  
Jason Cahill, Managing Partner, McCune Capital |
| 11:30 AM   | **BRIDGING THE VALLEYS**<br>New tools are being developed and deployed to address the valleys of death spanning a cleantech company’s life cycle. We’ll hear from leaders of the pack expanding the cleantech investing tool box.<br><br>**MODERATOR:** Peter Martin, Philanthropic Director, Tides  
Racquel Moses, CEO, The Caribbean Climate-Smart Accelerator  
Anurag Gupta, Vice Dean, H. Clark Ford Professor of Banking and Finance, Weatherhead School of Management, Case Western University  
Nolan Browne, Managing Partner, ADL Ventures  
Jon Bonanno, CXO, California Clean Energy Fund |
| 12:10 AM   | **UPCOMING PLANS FOR CATALYZING THE COMMERCIALIZATION OF U.S. ENERGY TECHNOLOGIES**<br>Conner Prochaska, Chief Commercialization Officer, United States Department of Energy |
| 12:30 PM   | **LUNCH**                                                             |
| 2:00 PM    | **U.S. DEPARTMENT OF ENERGY EFFICIENCY AND RENEWABLE ENERGY (EERE) PRIORITIES OVER THE COMING YEAR**<br>Daniel Simmons, Assistant Secretary (EERE), United States Department of Energy |
| 2:15 PM    | **WE CAN DO THIS: DEPLOYING THE FUTURE OF ENERGY**<br>Scott Jacobs, Co-Founder and CEO, Generate Capital |
| 2:30 PM    | **GROWTH-STAGE GAME CHANGERS**<br>**MODERATOR:** Shana Rappaport, VP and Executive Director, VERGE  
Sandra Kwak, Founder and CEO, 10Power  
Reenst Lesemann, CEO, Columbia Power Technologies  
Arun Gupta, Founder and CEO, Skyven Technologies  
Chantal Emmanuel, Co-founder and CTO, LimeLoop  
Killian Tobin, CEO, Omega Grid |
3:10 PM
THE GROWTH OF GROWTH CAPITAL
As cleantech companies mature, funding beyond venture capital is becoming crucial to fuel the rapid growth and deployment of clean technologies and businesses. New funds have been raised to fill this gap between VC and IPO.

MODERATOR: Geoff Eisenberg, Partner, Ecosystem Integrity Fund
Steven Kantowitz, Vice President, Warburg Pincus
Rick Needham, Partner, TPG Global, The Rise Fund
Cassie Bowe, Vice President, Energy Impact Partners

3:50 PM
FACILITATED COLLABORATION/WORLD CAFE
Ryan Kushner, Author, Accelerate This!

4:30 PM
LATE-STAGE GAME CHANGERS
Hear from a select group of later stage companies that will forever impact the global energy landscape.

MODERATOR: Thomas King, Managing Partner, CrossRiver Capital LLC
Leila Madrone, CTO and Founder, Sunfolding
Stephan DeLuca, President and CEO, Energy Materials Corporation
Eric McCarthy, SVP of Government Relations, Proterra
Gia Schneider, CEO, Natel Energy
Simon Irish, CEO, Terrestrial Energy

5:10 PM
ARPA-E SPECIAL ANNOUNCEMENT
ARPA-E seeks your input on a new program funding structure being considered for promising technologies to prove scalability, reliability, and manufacturability in real world scenarios.

Chanette Armstrong, Acting Director, Advanced Research Projects Agency (ARPA-E)

5:15 PM
SCALING ENVIRONMENTAL SOLUTIONS
We will explore how public-private partnerships can better support the deployment of growth and late stage environmental solutions at scale.

MODERATOR: Taite McDonald, Partner, Holland & Knight
Raymond Wood, Managing Director, Head of Global Power and Renewables, Bank of America Merrill Lynch
Puon Penn, EVP and Head of Technology Capital, Wells Fargo
Kristina Nilsson, Executive Director of Technology Investment Banking, JP Morgan
Steven Berkenfeld, Managing Director of Investment Banking, Barclays Capital
Stephan Feilhauer, Associate Director, Macquarie Capital

6:00 PM
RECEPTION & BANQUET
Cleantech Woman Entrepreneur of the Year Award
Capital Factory + E-Capital Summit Cleantech Challenge Winners

KEYNOTES
Michael Levy, CEO, Crow Holdings
Joel Sartore, Photographer, National Geographic

MUSICAL PERFORMANCE: The Seastars
Friday, April 26, 2019
LOCATION: DALLAS FAIR PARK

7:30 AM  BREAKFAST

KEYNOTES
Mark Victor Hansen, Author, *Chicken Soup for the Soul*
Crystal Dwyer Hanson, CEO, Metamorphosis Energy

9:00 AM  E-CAPITAL CONNECTION
Facilitated by Austin Technology Incubator, companies and investors will participate in 30 minute one-on-one meetings curated by technology and stage.

12:00 PM  EarthX BUSINESS LUNCHEON

KEYNOTE
Howard Schultz, former Chairman and CEO, Starbucks

2:00 PM  EarthX EXPO TOUR
VIP tours of the EarthX Expo Halls. 600+ exhibitors and 100k+ visitors expected.

5:00 PM  RECEPTION & BANQUET
Purchase tickets at [www.earthx.org/banquet](http://www.earthx.org/banquet)

**INVESTMENT FORUM**

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PARTICIPATING COMPANIES

10Power
Antora Energy
Blue Planet Energy
Breiter Planet Properties
Cinder Bio
Columbia Power Technologies
Dimensional Energy
Earth Energy Renewables
Earthly Labs
ecoDUR
ElecTrip
Energy Materials Corp.
EnvirogenX
Evolve Energy
Full Harvest
Greenlots
ilumi
IncentiFind
Inovues
Katz Water
Lighting Science Group
LimeLoop
Metal Oxide Technologies
Mobius
Momentum Technologies
Mosaic
Naked Energy
Natel Energy
Next Energy Technologies
Niltsi
O3 Energy
Omega Grid
OMEGA Renewable Energy Systems
Origen Power
PanTheryx
Phase Change Energy Solutions
RedWave
SAFCell
Semtive
Shower Stream
Skyven
Smarter Sorting
SolGro
Solved
Sprinkl
Sunfolding
Syzygy
Terrestrial Energy
Texas Wind Tower Co.
Troposphere
UHV
Velocys
Wattershed
Yanzi Networks
SPEAKER BIOS

RICHARD AMATO
DIRECTOR, CLEAN ENERGY, AUSTIN TECHNOLOGY INCUBATOR

Bringing together his background and expertise in clean energy and business development, Amato heads up the IC2 Institute’s energy initiatives, including the World Bank Climate Innovation Center Program and the Energy Incubator at ATI. Prior to joining IC2, he founded and served as President and CEO of Venti Energy, a renewable development company dedicated to increasing the supply of clean and reliable energy. Previously, Amato founded the Clean Energy Incubator (CEI) at The University of Texas at Austin in 2001. Being the first incubator of its kind, Amato established a successful program for clean energy ventures to accelerate their time to market. At the national level, Amato was involved with the National Renewable Energy Laboratory (NREL) in the creation of the Clean Energy Alliance (CEA), a group of leading U.S. business incubators dedicated to providing business and financial services tailored to the needs of the clean energy community. Amato holds a MBA in Entrepreneurship and Management from the University of Texas at Austin and a Bachelor of Science in Mechanical Engineering from Texas A&M University.

CHANETTE ARMSTRONG
ACTING DIRECTOR, ADVANCED RESEARCH PROJECTS AGENCY (ARPA-E)

Chanette Armstrong currently serves as the Acting Director for the Advanced Research Projects Agency-Energy (ARPA-E). Prior to joining ARPA-E, Armstrong served as the Director of the Department of Energy’s (DOE) Office of Technology Transitions (OTT), where she oversaw DOE’s Energy Investor Center, the Technology Commercialization Fund, and the coordination of technology transfer activities across the DOE complex. Prior to joining DOE, she worked as an attorney specializing in intellectual property law at several technology companies. Armstrong also worked as an engineer in various capacities including as an electrical engineer, systems engineer, and software engineer. A registered patent attorney, Armstrong earned her J.D. from the State University of New Jersey-Rutgers Law School. She holds a B.S. in Electrical Engineering from Carnegie Mellon University and an M.B.A. from Long Island University.

STEVEN BERKENFELD
MANAGING DIRECTOR OF INVESTMENT BANKING, BARCLAYS CAPITAL

Steven Berkenfeld is a Managing Director in Investment Banking at Barclays. His current roles include serving as senior sponsor of the Social Impact Banking Initiative, co-heading the Firm’s Cleantech Initiative, and leading the banking effort for Emerging Industrial Technology companies. He also manages the Transaction Review Committee process and chairs the Reputational Risk Committee for Barclays International, and serves as chair of the Firm’s Equities Commitment Committee and Fairness Opinion Committee. Prior to joining Barclays, Berkenfeld spent over 21 years at Lehman Brothers and was an associate at the law firm of Fried, Frank, Harris, Shriver & Jacobson engaged primarily in advising on mergers & acquisitions and leveraged buy-outs. He holds a J.D. from Columbia Law School and a B.S. from Cornell University.

TONY BOVA
CO-FOUNDER AND CEO, MOBIUS

Tony Bova is the Co-Founder and Chief Beard at mobius, a public benefit corporation. He is currently completing his Ph.D. in Energy Science and Engineering at the University of Tennessee, and is a Bredesen Center Research Fellow at Oak Ridge National Laboratory. Bova’s vision for the future is one where organic waste is no longer viewed as a burden on society or the planet, but instead as a valuable feedstock for the next generation of renewable chemicals, materials, and energy. He and the team at mobius are creating a world where There’s Wonder in Waste, and acre currently developing biodegradable plastics made from lignin, a waste product of the paper and biofuel industries, for a range of applications.

JON BONANNO
CXO, CALIFORNIA CLEAN ENERGY FUND

Jon Bonanno serves as the CXO of the New Energy Nexus (Nexus) and California Clean Energy Fund (CalCEF). His responsibilities are in capacity expansion and financial innovation to support diverse entrepreneurs solving the Climate Crisis. At Nexus/CalCEF, Jon is focusing on educating and enabling clean energy entrepreneurs to use and benefit from Opportunity Zone finance. Prior to Nexus/CalCEF, Bonanno co-founded and served as the CCO of Empower, a power electronics design firm focused on solar, energy storage and EV applications, which was sold in 2018 to SunGrow. His professional career includes twenty five years of entrepreneurial experience with Inter better (internet billing), Global Internet Billing (internet billing), SolidStreaming (mobile video streaming), Cool Earth Solar (concentrated solar power systems), HelioPower (solar utility), Earth Class Mail (SaaS for the postal industry), Azure Power (India solar utility, NYSE listed), Heartland Resources (soy-based adhesive for UF replacement), Principle Power (floating offshore wind foundations) and Array Power (module level power electronics).

CASSIE BOWE
VICE PRESIDENT, ENERGY IMPACT PARTNERS

Cassie Bowe is a Vice President at Energy Impact Partners where she works on

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VICE PRESIDENT, ENERGY IMPACT PARTNERS

Cassie Bowe is a Vice President at Energy Impact Partners where she works on
investments across sectors but with a focus on transportation and mobility. EIP is a $680m venture fund investing in energy and adjacent industries that is backed by 14 global utilities and energy companies. Prior to joining EIP, she worked for 5 years at SunPower, one of the largest global solar companies, in policy and strategy. She has also gained operating experience at energy storage, micro-grid and energy asset management startups in business development and finance roles. Bowe holds an MBA from the Stanford Graduate School of Business, a BA in Economics from Harvard University, and was selected for Forbes 30 Under 30 in Energy (2018).

NOLAN BROWNE
MANAGING PARTNER, ADL VENTURES
Nolan Browne is an entrepreneur and commercialization expert who develops first-of-kind programs and products with hybrid teams of technical, business, and political professionals. He is a Founding Partner at ADL Ventures, a venture consulting company that pioneers novel open innovation models and is a recognized innovation leader in the legacy sector technologies that will enable key aspects of the Smart City, including energy, construction, transportation and utilities. A five-time founder with 15 years of C-suite experience, Browne serves as a board member of both public and private companies. He is a repeat speaker at the National Academy of Sciences and TEDx, as well as an expert in sustainable energy, automotive, and innovation management. Browne holds advanced degrees from MIT and Johns Hopkins University.

JASON CAHILL
MANAGING PARTNER, MCCUNE CAPITAL
Jason Cahill is an early stage investor, advisor, mentor, and entrepreneur. As managing partner of McCune Capital, his interests sit at the intersection of new technology disrupting older industries. His expertise spans cleantech, transportation, supply chain, infrastructure, and agtech. He is a professor at Columbia University, an advisor at Carnegie Mellon University, and a mentor at Grand Central Tech’s Urban Tech Hub. He holds a BS from the University of Maryland and an MBA from Carnegie Mellon University and is a veteran of US Army Special Forces.

SARA CHAMBERLAIN
MANAGING DIRECTOR, ENERGY FOUNDRY
Sara Chamberlain leads venture investment activity for Energy Foundry, an early-stage venture fund based in Chicago. She was instrumental in founding the high-profile fund, and she is the backbone of driving forward the firm and its endeavors. This includes leading investments in many of the fund’s portfolio companies, which have gone on to raise over $100 million in additional capital and contracts. In particular, she sits on the Board of Tank Utility, NanoGraf, FLEX Lighting, Polystyvert, Omnidian and Advanced Diamond Technologies. Prior to Energy Foundry, Chamberlain built a government advisory practice at Wilson Sonsini Goodrich & Rosati and helped energy startups raise $300M in non-dilutive funding. She has also held roles with GE Energy and environmental consulting firm, GaiaTech. Chamberlain holds an MBA from the University of Chicago Booth School of Business, and an undergraduate degree from Emory University. In 2015, she was recognized by Midwest Energy News “40 Under 40.”

STEPHAN DELUCA
PRESIDENT AND CEO, ENERGY MATERIALS CORPORATION
Stephan DeLuca co-founded Energy Materials Corporation in 2010, and is now building the company to manufacture perovskite photovoltaics. He got into the solar industry in 2006 when he became CEO of Daystar Technologies, a thin-film solar module developer. At Leybold and its spin-off company Inficon, DeLuca built his international management experience in technology industries specializing in product creation, market penetration and building organizations to support new businesses. He created a new EHS business unit, established five Asian subsidiaries for Inficon and eventually led its global sales team. Stephan has a PhD in Applied Chemistry from the Colorado School of Mines and a MBA from Syracuse University.

BRENDAN DOHERTY
CO-FOUNDER AND HEAD, FORBES IMPACT
Brendan Doherty is a recovering lawyer and former American diplomat who now backs entrepreneurs solving our world’s most pressing challenges. He’s a big believer that the credit does belong to the one in the arena. Doherty co-founded and heads Forbes Impact, a private influential community and media division within Forbes Media focused on positively transforming markets with the power of capital and culture. He’s a Partner at the Lela Goren Group, where he develops real estate to drive social and environmental transformation. He’s an executive producer on the show One City One Block. And he’s got several side hustles. He leads with heart and scales with mind. He hails from Atlanta, ya’ll.

GEOFF EISENBERG
PARTNER, ECOSYSTEM INTEGRITY FUND
Geoff Eisenberg is a Partner at the Ecosystem Integrity Fund and has been a member of the EIF investment team from its inception. His responsibilities include strategy development, investment deal sourcing, due diligence, and sector research. Eisenberg also works directly with EIF’s portfolio companies on strategy, corporate finance, and business development. Eisenberg serves on the boards of EV Connect, Complete Solar, T-Rex Group, Lumigrow, and Clean Fund. He also serves as a director to the Forsythia Foundation, a non-profit focused on the commercialization of safer green chemistry replacements for toxic chemicals in our
SPEAKER BIOS

Chantal Emmanuel believes that leveraging the right technology at the right time has the power to solve problems in magical ways. Her career continually brings her to the intersection of technology, design, and social impact. Her decade in tech included being Lead Engineer at Red Clay Design, creating a community and project management platform that engaged industrial designers and brands to develop ready for manufacture designs. Most recently, she served as a Digital Strategist at the leading consulting firm, SYPartners, where she partnered with clients at a number of Fortune 100 companies, guiding them through their digital strategy. Today, as CTO and Co-Founder of LimeLoop, she oversees the digital and hardware component’s development of LimeLoop’s smart shippers, working to replace the 165B single use cardboard and plastic packaging.

Chantal Emmanuel
Co-Founder and CTO, LimeLoop

Stephan Feilhauer is Senior Vice President at Macquarie Capital’s Principal Transactions Group in New York and has more than 12 years of experience as an investor in the field of technology, energy, industrials, and renewables. Feilhauer heads the investment effort into infrastructure related tech companies. He joined Macquarie in 2015 from Deutsche Bank, where he worked in the principal investment, structured credit, and corporate M&A teams in New York and Singapore. Stephan began his career with Goldman Sachs in London. Feilhauer holds a BSc in engineering & finance from UCL and the London School of Economics and a master’s in civil & environmental engineering from MIT.

Stephan Feilhauer
Associate Director, Macquarie Capital

Dr. Jill O. Fuss, Ph.D. is the co-founder and Chief Technology Officer of Cinder Biological, Inc. Dr. Fuss earned a B.A. in environmental science from Wesleyan University, and a Ph.D. in molecular and cell biology from the University of California, Berkeley. Her postdoctoral fellowship was performed at Lawrence Berkeley National Laboratory where she received a National Institutes of Health National Research Service Award and was named a U.S. Department of Energy Outstanding Mentor. As a Scientist at LBNL, she conducted fundamental cancer research understanding the structural biology of DNA repair enzymes. Dr. Fuss received two LBNL Director’s Awards for Exceptional Achievement in 2013 and 2016 and was recognized as a Berkeley Visionary in 2015 by the Berkeley Chamber of Commerce. Together with Dr. Steve Yannone from LBNL, Dr. Fuss founded CinderBio in 2012 to commercialize extremely heat and acid stable enzymes for industrial use.

Jill O. Fuss, Ph.D.
Founder and CTO, Cinder Biological

Amy George is founder and CEO of Earthly Labs, a carbon capture IOT company with a vision to capture, convert and avoid 1 billion metric tons of CO2 emissions. Mentored by Austin Technology Incubator, Earthly Labs was a Carbon XPrize finalist (2016), featured at NYTimes ClimateTech as a top startup to watch (2017) and selected by ABInBev 100+ sustainability accelerator to reduce CO2 emissions (2018). For the past 20 years, George has delivered impact through her entrepreneurial leadership at diverse ventures — from artificial intelligence software that reduced industrial emissions to local farmers markets that reduced food transportation to reusable consumer products that reduced petroleum-based disposable alternatives. George has been recognized by Fast Company and the B Corp community as a sustainability champion, and her products have been awarded “Top 100 Green Products for the World.” George holds an MBA with a focus in entrepreneurship and environmental management from The University of Texas and is a mom of two boys, who are her inspiration.

Amy George
CEO, Earthly Labs

Dr. Arun Gupta is the founder and CEO of Skyven Technologies, a company focused on bringing clean emissions-free solutions for thermal energy to the industrial sector. From building prototypes in his garage to winning the $1 million grand prize in New York State’s 76West Clean Energy Competition, Arun has pioneered both the technology and business of clean thermal energy. He holds a PhD from the University of Texas at Dallas and earned his stripes in technology commercialization at Texas Instruments, Inc.

Dr. Arun Gupta
Founder and CEO, Skyven Technologies

Dr. Anurag Gupta is Vice Dean, H. Clark Ford Professor of Banking and Finance, Weatherhead School of Management, Case Western Reserve University and Finance at the Weatherhead School of Management, Case Western Reserve University (CWRU) in Cleveland, Ohio. His primary research and teaching interests include green finance, quantitative risk modeling, corporate risk strategy, valuation, derivatives, structured products and technology financing. His research work has been published in top finance journals such as the Journal of Financial Intermediation.
Economics, Journal of Finance and the Journal of Monetary Economics. He has presented his research at numerous top institutions and conferences all over the world, and has significant experience and expertise in Asia, including China where he created and now runs a Master’s program in Finance for CWRU. Dr. Gupta received his PhD (Finance) from the Stern School of Business, New York University, MBA from the Indian Institute of Management (IIM) Calcutta, and BS (Chemical Engg) from the Indian Institute of Technology (IIT) Delhi.

**Simon Irish**
CEO, Terrestrial Energy

Simon Irish is Chief Executive Officer of Terrestrial Energy. He has 20 years of global investment banking and investment management experience in New York and London, and has a formal education in the quantitative sciences and quantitative finance. Irish has established and managed multi-billion-dollar alternative investment businesses in North America. Irish formerly led the investment effort in North America for Man Group Plc, a leading global investment management business. He began his banking career at Credit Suisse in London before moving to New York. In 2010, he focused on investment opportunities in breakthrough energy technologies and specifically nuclear energy given its unparalleled virtues, and the commercial potential of advanced reactors in many industries. He holds an MA in Natural Sciences from Cambridge University and an MSc in Finance from the London Business School.

**Scott Jacobs**
Co-Founder and CEO, Generate Capital

Scott Jacobs is the CEO and Co-Founder of Generate Capital, an investment and operating platform focused on sustainable infrastructure. Founded in 2014, Generate Capital has partnered with leading project developers and technology solutions to drive the “resource revolution” — doing more with less in our energy, water, waste and food systems — building and operating hundreds of millions of dollars of infrastructure in distributed generation, waste transformation, and sustainable transport. In 2007, Scott joined McKinsey & Company’s to co-found its global CleanTech practice, where he advised major corporations and leading innovators, institutional investors, NGOs and several national and regional governments around the world. Before McKinsey, Jacobs spent over a decade in technology and venture capital, helping start and grow a number of companies, including PolyServe (acquired by HP) and Alliance Data Systems (acquired by FIServ). Jacobs received his MBA with high distinction from Harvard Business School, where he was named a George F. Baker Scholar, and his BA cum laude from Dartmouth College.

**Steven Kantowitz**
Vice President, Warburg Pincus

Steven Kantowitz is a Vice President at Warburg Pincus, a global private equity firm with more than $40 billion of equity under management, where he focuses on investments across the energy sector. Steven first joined Warburg Pincus in 2012, and following the completion of an M.B.A., rejoined the firm in 2016. Previously, he worked in the energy investment banking group at Credit Suisse. Kantowitz is a director of Solar Mosaic, Stronghold Energy, Tall City Exploration, Artis Exploration and also works with Venari Resources. He received a B.S. summa cum laude in finance and economics from The Leonard N. Stern School of Business at New York University and an M.B.A. with distinction from Harvard Business School.

**Ryan Kushner**
Author, Accelerate This!

Ryan Kushner is an expert in energy and climate, with a particular focus on innovation ecosystem (incubator, accelerators, and prizes) as tools. He writes and speaks about the role of exponential clean energy technology and the path towards a 100% renewable world. He is the author of Accelerate This! A Super Not Boring Guide To Startup Accelerators And Clean Energy Entrepreneurship, sponsored by the World Bank, Asian Development Bank, World Wildlife Fund and the California Clean Energy Fund (where he is an Expert In Residence), and featuring Y Combinator, Techstars, 500 Startups and others fascinating programs from all around Spaceship Earth. In addition to energy, he is also involved with accelerators and funds in clean meat/new protein, carbontech and oceantech.

**Thomas King**
Managing Partner, CrossRiver Capital LLC

Thomas King is an accomplished Senior Executive with more than 30 years of success in investment banking, private equity, consulting and investment in the alternative energy, biofuels, power and utility sectors. His broad areas of expertise include business growth and development, global business, funding, negotiations, communication, strategic planning, go-to-market strategy, analytics, risk management, and leadership. King holds positions on the boards of ConservAmerica and the American Renewable Energy Institute. Over the course of his career, he has served as an Advisor/Board Member for organizations including Enact Systems Inc., the Geothermal Energy Association, Alphabet Energy, the NY Green Bank, and CleanFund Commercial PACE Capital. King is the current Managing Partner of CrossRiver Capital where he dedicates himself to selecting compelling companies for investment and in facilitating their growth. Through his work with CleanFund, the organization has risen to become one of the leaders in its industry in providing financing for energy improvements to commercial real estate. King received his Bachelor of Arts in Political Science and Government from the University of California Santa Cruz. He obtained his
Master of Business Administration in Finance, Energy, and International Business from the Haas School of Business at the University of California, Berkeley.

Executive strategist and systems thinker, Sandra Kwak is applying disruptive innovation to create a regenerative future. Before launching 10Power, she scaled AutoGrid from prototype to a global brand, creating automated intelligence out of big data from the smart grid. Prior to joining 10Power, she has a talent for bringing innovative technologies at the intersection of mechanics, electronics, and software. She has spent the past 12 years developing new energy solutions for grid applications, and, since founding Sunfolding in 2012, has focused on building machines to make solar an unstoppable force in the clean energy transition. An MIT-trained roboticist — she received both her bachelors and masters in Electrical Engineering and Computer Science, with a focus on robotics and mechatronics — she has a talent for bringing innovative technology from concept to market in high-tech industries. Her early career included automation for the genomics industry and the commercialization of NASA robotics hardware.

Michael Levy is the CEO of Crow Holdings, a privately owned real estate investment and development firm with a 70 year operating history. He joined Crow Holdings senior leadership team in 2016 from Morgan Stanley where he served as COO for the Investment Management Division and was a member of the firm’s Management Committee. Michael previously held various positions there including Head of Traditional Asset Management, COO and CFO for Real Estate Investing and co-head for Real Estate Investment Banking. He joined Morgan Stanley in 1998 from Salomon Brothers and began his professional career at Prudential Securities. Michael is a member of the Real Estate Roundtable and a ULI Foundation Governor. He earned his B.S. at NYU’s Stern School of Business and his J.D. from Brooklyn law school.

Leila Madrone builds breakthrough energy technologies at the intersection of mechanics, electronics, and software. She has spent the past 12 years developing new energy solutions for grid applications, and, since founding Sunfolding in 2012, has focused on building machines to make solar an unstoppable force in the clean energy transition. An MIT-trained roboticist — she received both her bachelors and masters in Electrical Engineering and Computer Science, with a focus on robotics and mechatronics — she has a talent for bringing innovative technology from concept to market in high-tech industries. Her early career included automation for the genomics industry and the commercialization of NASA robotics hardware.

Eric McCarthy is senior vice president of government relations, public policy and legal affairs at Proterra. Eric brings more than 20 years of executive leadership experience to Proterra. In 2017, he was selected as a SC Liberty Fellow, Class of 2019, and was invited to serve as a Commissioner for the Alliance to Save Energy’s 50x50 Commission on U.S. Transportation Sector Efficiency. Before joining Proterra as its
general counsel and head of government relations, he served as general counsel of both private and public companies, including Honeywell Technology Solutions, Inc., a Honeywell subsidiary. Prior to joining Honeywell, McCarthy was an antitrust trial litigator and a partner in the antitrust and competition practice groups of Latham & Watkins LLP and Howrey in Washington, D.C. He attended Dartmouth College and the University of Pennsylvania Law School.

**TAITE MCDONALD**
**PARTNER, HOLLAND & KNIGHT**

Taite McDonald is a partner in Holland & Knight’s Washington, D.C., office and a member of the firm’s Public Policy & Regulation Group. Ms. McDonald works with energy and clean technology companies to develop and execute strategies to pursue Executive Branch federal government programs across multiple states and federal agencies, including the U.S. Department of Defense (DOD), U.S. Department of Agriculture and U.S. Department of Energy (DOE). McDonald provides counsel to companies seeking to collaborate and assist the federal government in meeting its energy procurement and resiliency needs in a manner that aligns with the commercial market. She helps companies pursue government funding and financing programs, as well as develop strategies for leveraging public and private financing mechanisms to commercialize innovative energy technologies.

**RACQUEL MOSES**
**CEO, THE CARIBBEAN CLIMATE-SMART ACCELERATOR**

The Accelerator is an entrepreneurial engine that catalyzes priority initiatives toward a climate-smart zone, delivering resilience, social development and broad-based economic growth for the Caribbean. Moses leads the Accelerator as it delivers this strategy, bringing with her nearly two decades of business management experience in the Caribbean region, most recently at Microsoft. Moses will work with key stakeholders in governments and the public and private sectors to co-develop and agree on Accelerator strategies to drive investment projects across the Caribbean at scale. Before coming to fill the role of the Accelerator’s CEO, Moses was country manager and regional public-sector director for Microsoft in Port of Spain, Trinidad, where she engaged with regional ministers and developed a digital transformation strategy for CARICOM countries. Previously, she served as president of InvestTT, Trinidad and Tobago’s national investment promotion agency, where she implemented innovative methodologies resulting in multimillion dollars’ worth of growth in investments and exponential job growth from the agency. She led the agency to award-winning performance and was recognized by UNCTAD for excellence in investment promotion in sustainable development. She later served as regional head for ACCA, the largest global professional organization for accountants, where she worked to increase member satisfaction and metrics in determining strategies and measuring progress. She holds a master’s degree in management of information technology from the Georgia Institute of Technology.

**RICK NEEDHAM**
**PARTNER, TPG GLOBAL, THE RISE FUND**

Rick Needham is a Partner with The Rise Fund and the fund’s Sector Lead for Energy. In this role, he is responsible for sourcing and executing growth stage investments in the energy space that can deliver both attractive financial returns and meaningful positive social or environmental benefits. Prior to joining The Rise Fund, Needham was the Director of Energy and Sustainability for Google, where he led teams that invested in transformative, large-scale renewable energy projects, explored ways to help accelerate energy access in emerging markets, and catalyzed actions to address climate change. He spearheaded Google’s renewables project investing, which channeled more than $2.5 billion into renewable energy projects around the world, including wind farms, centralized and distributed solar PV systems, an offshore transmission line, and the world’s largest solar thermal plant. Prior to joining Google, Rick was a business development executive and project manager at DEKA Research & Development Corp. and also worked as a consultant at Bain & Company.

**KRISTINA NILSSON**
**EXECUTIVE DIRECTOR OF TECHNOLOGY INVESTMENT BANKING, JP MORGAN**

Kristina Nilsson is a Client Executive in the Technology Investment Banking Group, and co-leads J.P. Morgan’s Semiconductor and Industrial & Applied Technology practice. Nilsson joined J.P. Morgan as an analyst in 2005 and was previously a member of the firms Diversified Industries Investment Banking Group. She has extensive transaction experience advising a broad range of public and private companies on mergers & acquisitions, restructurings, and equity and debt financings. Sector areas of focus include autonomous, artificial intelligence robotics, internet of things, semiconductor, and energy & infrastructure technology. Kristina serves as a J.P. Morgan Sustainability Ambassador, a member of the J.P. Morgan Climate Change Working Group, and a J.P. Morgan Winning Women senior leader, and is frequently invited to speak at external and client-hosted events to share her perspectives on the markets, industry, and financing trends. Prior to joining J.P. Morgan, she received a BA in Economics from Wellesley College.

**BILLY PARISH**
**CO-FOUNDER AND CEO, MOSAIC**

Billy Parish is ready to break new ground when it comes to old regulatory structures. As founder and President of Mosaic, Parish is unlocking the ability for individuals to participate in the asset class: to be energy owners and producers, not just energy consumers. Mosaic aims to create a world that is powered by abundant clean energy through their peer-to-peer lending platform for solar...
SPEAKER BIOS

power. Before Mosaic, Parish co-founded the Energy Action Coalition, growing it into the largest youth organization focused on clean energy and climate solutions.

ANDREW PONEC
CO-FOUNDER AND CEO, ANTORA ENERGY

Andrew Ponec received his B.S. in energy systems engineering from Stanford University, where he researched advanced photovoltaics and power electronics. Between his sophomore and junior year, Ponec took a leave of absence to found a solar energy company called Dragonfly Systems. Dragonfly developed and commercialized a novel power electronics topology for utility-scale solar power plants, and was acquired by SunPower in 2014. Ponec led his team through concept generation, prototyping, validation testing, and manufacturing, and eventually oversaw the installation of over 10 MW of solar power plants that used the technology.

PUON PENN
EVP AND HEAD OF TECHNOLOGY CAPITAL, WELLS FARGO

Puon Penn is executive vice president and head of Early Stage Investing Division within Wells Fargo’s Strategic Capital Group. The group provides capital investments to help innovative companies focus on advancing new technologies and business models. Puon is a 20-year veteran of Wells Fargo having done stints in the International Group, Middle Market Banking, Principal Investing, and most recently, Corporate Banking’s TechnologyMedia & Telecom Group, where he oversaw the bank’s Life Sciences, Southern California Technology Banking, Northern California Technology, and Global Cleantech practices. Puon started Wells Fargo’s Global CleanTech Group in 2009 to provide expertise, financial services, and resources to help companies focused on decreasing the use of fossil fuels, fertilizers, industrial chemicals, and other activities that cause greenhouse gas emissions or other harmful environmental effects. Wells Fargo financed more than $84 billion for green business, renewable energy projects, green buildings, and clean energy customers from 2005 to 2018.

CONNER PROCHASKA
CHIEF COMMERCIALIZATION OFFICER, UNITED STATES DEPARTMENT OF ENERGY

Conner Prochaska currently serves as Chief Commercialization Officer for the Department of Energy and Director as Office of Technology Transitions. Prior to OTT, Prochaska served as Senior Advisor and Chief of Staff of the Advanced Research Projects Agency-Energy (ARPA-E). As part of the agency’s leadership team Conner managed day-to-day operations and provided strategic leadership for the agency. Prior to joining DOE, Prochaska was Senior Vice President and the Associate General Counsel at a public investment fund where he led fund operations. Prochaska also served as an Intelligence Officer in the United States Navy, obtaining the rank of Lieutenant. During his Navy career Prochaska focused on Anti-submarine Warfare and Counter-Weapons of Mass Destruction intelligence.

SHANA RAPPAPORT
VP AND EXECUTIVE DIRECTOR, VERGE

Shana Rappaport has worked actively for over a decade as a cross-industry convener to advance sustainability solutions. Over the last five years, as director of strategic programs for GreenBiz Group, Shana has helped build and scale the VERGE global event series, focusing on how technology accelerates the clean economy. Shana has designed and led several key VERGE programs pivotal to its success in leveraging the power of convening for transformative change. Shana previously served as Director of

CHRIS RIPLEY
CEO, SMARTER SORTING

Chris Ripley is the Co-Founder and CEO of Smarter Sorting. A true visionary, his passion is driven by an obsession with problem solving, and deep seated frustration with the every-day waste and inefficiency that characterizes modern business and consumer lifestyles. Having spent his career listening to magical solutions that might solve problems “later,” you could say that Chris is a visionary with no time for vision, instead choosing to focus his life and his career on the unlimited number of problems that can be solved right now. His passion is undergirded by decades experience manufacturing paint, building technology and running data analytics firms. It’s this unique knowledge set, ranging from the chemical to the regulatory to the technical, that allows Chris to see opportunities and imagine solutions invisible to many in the world of waste and recycling.

JASON SALFI
CO-FOUNDER AND CEO, DIMENSIONAL ENERGY

Jason Salfi has founded two startups in manufacturing and one acquisition. He has been an Advisor to V and C suite executives, and Entrepreneur in Residence at NYSEERDA focusing on technology to market strategy, sustainability, supply chain, manufacturing, marketing, lean start-up methodology, fundraising, team building, and company leadership.
in Chemical Engineering from MIT and has 17 years of experience in the energy industry. While in the utility practice at Accenture, she provided strategic and tactical solutions to several major energy companies and has significant experience in energy-related strategy development and deal valuation. After Accenture, she worked at Constellation Energy on optimizing generation asset value. Schneider left Constellation in 2004 to help start the energy trading desk at Credit Suisse; and in 2005, she started the carbon emissions trading desk at Credit Suisse, growing it to a profitable business in its first year. Schneider is passionate about finding economically viable solutions to mitigate climate change, foster sustainable development and produce inexpensive renewable energy.

**Gia Schneider**

**CEO, Natel Energy**

Gia Schneider is a co-founder and the CEO of Natel Energy. Gia holds a Bachelor of Science

**Daniel Simmons**

**Assistant Secretary (EERE), United States Department of Energy**

In his role as Assistant Secretary in the Office of Energy Efficiency and Renewable Energy (EERE), Daniel Simmons leads EERE to promote affordable and reliable energy to enhance America’s economic growth and energy security. He oversees technology development in the energy efficiency, renewable power and sustainable transportation sectors. Before joining the U.S. Department of Energy, Daniel served as the Institute for Energy Research’s Vice President for Policy, overseeing its energy and climate policy work at the state and federal level. He previously served as the director of the Natural Resources Task Force of the American Legislative Exchange Council, was a research fellow at the Mercatus Center and worked as professional staff on the Committee on Resources of the U.S. House of Representatives. He is a graduate of Utah State University and George Mason University School of Law.

**Killian Tobin**

**CEO, Omega Grid**

Killian Tobin is an engineer with an MS in computer science and applied knowledge of system optimization using neural networks and genetic algorithms. Killian has consulted or sold software to utilities in over 10 years. He was responsible for energy platform sales at Oracle Utilities and business development at Uptake (the fastest growing startup of 2015 according to Forbes, beating Slack and Uber).

**Johanna Wolfson**

**Principal, Prime Impact Fund**

Johanna Wolfson is co-founder and Principal at Prime Impact Fund, a new early-stage investment fund supporting breakthrough climate-focused startups with philanthropic capital. Initial investments include Lilac Solutions, Via Separations, and C-Motive Technologies. Before Prime Impact Fund, Johanna was Director of Technology-to-Market for the U.S. Department of Energy’s office of Energy Efficiency and Renewable Energy (EERE). In this role she led the Department’s strategy to transition publicly-supported clean energy research & development projects to private-sector support. Prior to DoE, Johanna led the TechBridge Program at Fraunhofer USA, where she helped a portfolio of cleantech startup companies validate and demonstrate new technologies for the investment and first customers. Wolfson earned her PhD in physical chemistry at MIT and received her BS from the University of Wisconsin.

**Raymond Wood**

**Managing Director, Head of Global Power and Renewables, Bank of America Merrill Lynch**

Raymond Wood serves as a Managing Director and Head of the Global Power, Utilities & Renewables Group at Bank of America Merrill Lynch. He leads coverage teams across the industry landscape of regulated utilities, independent power, clean energy and global manufacturing as well as private equity and infrastructure sponsors.

**Abe Yokell**

**Co-Founder and Managing Partner, Congruent Ventures**

Abe Yokell is Co-Founder and Managing Partner of Congruent Ventures, an early stage venture firm founded in 2017 that partners with companies in the sustainable technology ecosystem. Congruent’s investment themes include Urbanization and Mobility, the Clean Energy Transition, Food and Agriculture, and Industrial and Supply Chain innovation. In addition to the nine investments Yokell oversees on behalf of Congruent, he has over 15 years of investment experience in the sector, having invested across sectors and business models, and was responsible for opening RockPort Capital’s West Coast office in 2007. Yokell graduated from the University of Pennsylvania with a BA in Economics, with minors in Chemistry and Biology.