

# MIT Industrial Liaison Program Faculty Knowledgebase Report

---

2022 MIT Startup Showcase Silicon Valley

---

June 22, 2022 9:00 am - 4:00 pm

---

8:00 AM

Registration with Light Breakfast

9:00 AM

Welcome and Introduction  
Todd Glickman  
Senior Director, [MIT Corporate Relations](#)



Todd Glickman  
Senior Director  
[MIT Corporate Relations](#)

Mr. Glickman joined the Industrial Liaison Program in January 2000, serving as the MIT liaison for companies worldwide, and joined the senior management of the office in 2005.

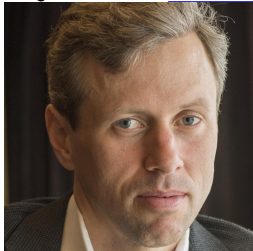
Prior to joining ILP, Todd was Assistant Executive Director of the American Meteorological Society (AMS), the professional society for meteorologists, which is based in Boston. At AMS, Todd's responsibilities included strategic planning for conferences, headquarters' liaison with AMS member boards and committees, support to the AMS Council, and public relations. In addition, Todd was Managing Editor for the AMS Glossary of Meteorology (2nd edition).

From 1979 to 1994, Todd held a variety of positions with WSI Corporation of Billerica, MA, including Manager, New Product Development, Media Marketing Manager, and Manager of the Government Program Office. WSI was a pioneer in the development of real-time weather information, providing value-added information and workstations for clients in media, aviation, industry, academia, and government. Some of Todd's projects included development of the weather data/information infrastructure for The Weather Channel; the introduction of digital satellite and radar imagery for television; planning and implementation of a network of weather briefing systems for the Federal Aviation Administration; and serving as liaison with the National Weather Service and professional organizations. In addition, Todd was instrumental in helping to develop the public-private partnership between the weather information industry and the Federal government.

Concurrently, Todd has a more than 30-year career as a radio meteorologist, and has been heard on dozens of stations nationwide. Today, he can be heard occasionally on all-news WCBS Newsradio-88 in New York City. He has chaired numerous meteorological conferences and symposia, and served on a number of boards and committees for the American Meteorological Society (AMS). He was awarded the AMS Seal of Approval for Radio Weathercasting in 1979, and was elected a Fellow of the AMS in 1997.

Todd's interests include transportation systems of all types, and he is an officer and past-trustee of the Seashore Trolley Museum of Kennebunkport, Maine. At MIT, Todd an officer and trustee of the Technology Broadcasting Corporation, which oversees the campus radio station WMBR-FM. He also volunteers as the academic advisor to a group of MIT freshman.

Marcus Dahllöf  
Program Director, [MIT Startup Exchange](#)



Marcus Dahllöf  
Program Director  
[MIT Startup Exchange](#)

Marcus Dahllöf leads MIT Startup Exchange, which facilitates connections between MIT-connected startups and corporate members of the MIT Industrial Liaison Program (ILP). Dahllöf manages networking events, workshops, the STEX25 accelerator, opportunity postings, and helps define the strategic direction of MIT Startup Exchange. He is a two-time tech entrepreneur (one exit in cybersecurity), and has previously held roles in finance, software engineering, corporate strategy, and business development at emerging tech companies and Fortune 100 corporations in the U.S., Latin America, and Europe. Marcus was a member of the Swedish national rowing team and he is a mentor at the MIT Venture Mentoring Service.

9:10 AM

Industry Keynote: "Saving Our Planet With You." A Challenge by a Cellular Operator and 80 Million Subscribers

Takashi Hara  
President & CEO, DOCOMO Innovations, and Senior Managing Director  
[NTT DOCOMO Ventures](#)

The NTT Group alone uses 1% of Japan's electricity and approximately 1/4 of Tokyo's electricity in its own operations. In September 2021, its commitment to reduce the greenhouse gas emissions arising from its business activities effectively to zero by 2030. In order to help society as a whole achieve carbon neutrality, DOCOMO will roll out a new ecosystem called "Caboneu (TM)" in conjunction with its partners and customers, under the slogan "Saving Our Planet With You."

9:40 AM

Resiliency and Sustainability at MIT: The MIT Climate and Sustainability Consortium  
Elsa Olivetti

Jerry McAfee (1940) Professor, [Department of Materials Science and Engineering](#)



Elsa Olivetti

Jerry McAfee (1940) Professor, [Department of Materials Science and Engineering](#)

Professor Olivetti received a BS in engineering science from the University of Virginia in 2000, and a PhD in materials science and engineering from MIT in 2007. She spent her PhD program studying the electrochemistry of polymer and inorganic materials for electrodes in lithium-ion batteries. In 2014, she joined DMSE as an assistant professor. As an educator, Olivetti overhauled DMSE's undergraduate curriculum and developed new courses, including one for the MIT Climate and Sustainability Consortium Climate Scholars. She's a member of the MIT Climate Nucleus and co-director of the MIT Climate & Sustainability Consortium.

Professor Elsa Olivetti's research focuses on improving the environmental and economic sustainability of materials. Specifically, she develops analytical and computational models to provide early-stage information on the cost and environmental impact of materials. Professor Olivetti and her research-group colleagues work toward improving sustainability through increased use of recycled and renewable materials, recycling-friendly material design, and intelligent waste disposition. The Olivetti Group also focuses on understanding the implications of substitution, dematerialization, and waste mining on materials markets.

10:10 AM

Startup Lightning Talks, Part 1  
Ariadna Rodenstein  
Program Manager, [MIT Startup Exchange](#)



Ariadna Rodenstein  
Program Manager  
[MIT Startup Exchange](#)

Ariadna Rodenstein is a Program Manager at MIT Startup Exchange. She joined MIT Corporate Relations as an Events Leader in September 2019 and is responsible for designing and executing startup events, including content development, coaching and hosting, and logistics. Ms. Rodenstein works closely with the Industrial Liaison Program (ILP) in promoting collaboration and partnerships between MIT-connected startups and industry, as well as with other areas around the MIT innovation ecosystem and beyond.

Prior to working for MIT Corporate Relations, she worked for over a decade at Credit Suisse Group in New York and London, in a few different roles in event management and as Director of Client Strategy. Ms. Rodenstein has combined her experience in the private sector with work at non-profits as a Consultant and Development Director at New York Immigration Coalition, Immigrant Defense Project, and Americas Society/Council of the Americas. She also served as an Officer on the Board of Directors of the Riverside Clay Tennis Association in New York for several years. Additionally, she earned her B.A. in Political Science and Communications from New York University, with coursework at the Instituto Tecnológico y de Estudios Superiores de Monterrey in Mexico City, and her M.A. in Sociology from the City University of New York.

Aaron Baskerville-Bridges  
Co-founder & VP of Operations  
[AeroShield](#)

Jack Baron  
President and Executive Vice President  
[Sweetwater Energy](#)

Megan O'Connor  
Co-founder and CEO  
[Nth Cycle](#)

Nick Mannarino  
Business Development Engineer  
[Amogy](#)

10:40 AM

Networking Break

11:10 AM

Industry Keynote: Sustainability Partnerships - Opportunities and Lessons Learned

Adam Langton  
Energy Services Manager, Connected eMobility  
[BMW North America](#)

11:40 AM

Climate Machines – re-industrialization for the Anthropocene  
John Fernández  
Director, Building Technology and Engineering Systems,  
Professor, [MIT Department of Architecture](#)



John Fernández  
Director, Building Technology and Engineering Systems,  
Professor  
[MIT Department of Architecture](#)

Professor John E. Fernández is a professor in the Department of Architecture at MIT, affiliated with the Department of Urban Studies and Planning, and a practicing architect. Fernández is also Director of the Massachusetts Institute of Technology Environmental Solutions Initiative, enlisting the capacity of the MIT community in the transition to a net zero carbon, biodiverse and equitable future.

Fernández founded and currently directs the MIT Urban Metabolism Group and is a member of the World Economic Forum Global Commission on BiodiverCities by 2030, the Urban Climate Change Research Network, and the Leadership Team of Oceanvisions. He has published on a wide range of subjects, from sustainable cities, urban biodiversity, design, and more, and is the author of two books and numerous articles in scientific and design journals, including *Science*, *the Journal of Industrial Ecology*, *Building and Environment*, *Energy Policy* and others, and author of nine book chapters. He is formerly Chair of Sustainable Urban Systems for the International Society of Industrial Ecology and Director of the MIT Building Technology Program from 2010 to 2015.

[View full bio](#)

Accelerating consequences of climate change are occurring during what some consider to be a new age of imagination – partly characterized by the advent of the fourth industrial revolution. Evidence of this convergence can be found in the multiple incubators and accelerators with a growing portfolio of climate startups. Coupled to the fact that our world's environmental challenges require the capacity and resources of industry, we are starting to see the emergence of an era of climate machines. Conceived of by a new generation of paradigm-shifting inventors and engineers and enabled by AI, advances in the life sciences and new materials, climate machines are emerging as the answer to the question of how to make a better world. Fernandez will describe the work of the MIT Environmental Solutions Initiative and offer several examples of climate machines and the startups that are driving their emergence.

12:10 PM

Startup Lightning Talks, Part 2  
Ariadna Rodenstein  
Program Manager, [MIT Startup Exchange](#)



Ariadna Rodenstein  
Program Manager  
[MIT Startup Exchange](#)

Ariadna Rodenstein is a Program Manager at MIT Startup Exchange. She joined MIT Corporate Relations as an Events Leader in September 2019 and is responsible for designing and executing startup events, including content development, coaching and hosting, and logistics. Ms. Rodenstein works closely with the Industrial Liaison Program (ILP) in promoting collaboration and partnerships between MIT-connected startups and industry, as well as with other areas around the MIT innovation ecosystem and beyond.

Prior to working for MIT Corporate Relations, she worked for over a decade at Credit Suisse Group in New York and London, in a few different roles in event management and as Director of Client Strategy. Ms. Rodenstein has combined her experience in the private sector with work at non-profits as a Consultant and Development Director at New York Immigration Coalition, Immigrant Defense Project, and Americas Society/Council of the Americas. She also served as an Officer on the Board of Directors of the Riverside Clay Tennis Association in New York for several years. Additionally, she earned her B.A. in Political Science and Communications from New York University, with coursework at the Instituto Tecnológico y de Estudios Superiores de Monterrey in Mexico City, and her M.A. in Sociology from the City University of New York.

Bernie Malouin  
Founder & CEO  
[Jetcool](#)

Patrick Teyssonneyre  
Co-Founder & CEO  
[Xinterra](#)

Francesco M. Benedetti  
Co-Founder, Chief Executive Officer and Board Member  
[Osmoses](#)

Andrés Bisonó León  
Co-Founder & CEO  
[SOS Carbon](#)

12:40 PM

Lunch with Startup Exhibit

1:50 PM

Industry Keynote: Intel Supply Chain Sustainability in Action

Adam Schafer  
Director - Supply Chain Sustainability  
[Intel Corporation](#)

2:20 PM

The Innovator's Opportunity: Driving Decarbonization in an ESG Era

Dominic Barbato  
Vice President, Strategy & Innovation  
[Schneider Electric Sustainability Business](#)

The topic of sustainability has gained mainstream attention with billions of dollars globally being committed to decarbonization as well as other social and governance matters. As one of the world's most sustainable corporations, Schneider Electric is leading at the heart of this transition through a multi-faceted approach that includes pursuing its own Net-Zero commitments, accelerating the growth of its Sustainability Business to advise other organizations on their decarbonization journeys, and pursuing investments in early-stage opportunities through its corporate ventures group.

2:50 PM

Panel Discussion  
Marcus Dahllöf  
Program Director, [MIT Startup Exchange](#)



Marcus Dahllöf  
Program Director  
[MIT Startup Exchange](#)

Marcus Dahllöf leads MIT Startup Exchange, which facilitates connections between MIT-connected startups and corporate members of the MIT Industrial Liaison Program (ILP). Dahllöf manages networking events, workshops, the STEX25 accelerator, opportunity postings, and helps define the strategic direction of MIT Startup Exchange. He is a two-time tech entrepreneur (one exit in cybersecurity), and has previously held roles in finance, software engineering, corporate strategy, and business development at emerging tech companies and Fortune 100 corporations in the U.S., Latin America, and Europe. Marcus was a member of the Swedish national rowing team and he is a mentor at the MIT Venture Mentoring Service.

Elsa Olivetti

Jerry McAfee (1940) Professor, [Department of Materials Science and Engineering](#)



Elsa Olivetti

Jerry McAfee (1940) Professor, [Department of Materials Science and Engineering](#)

Professor Olivetti received a BS in engineering science from the University of Virginia in 2000, and a PhD in materials science and engineering from MIT in 2007. She spent her PhD program studying the electrochemistry of polymer and inorganic materials for electrodes in lithium-ion batteries. In 2014, she joined DMSE as an assistant professor. As an educator, Olivetti overhauled DMSE's undergraduate curriculum and developed new courses, including one for the MIT Climate and Sustainability Consortium Climate Scholars. She's a member of the MIT Climate Nucleus and co-director of the MIT Climate & Sustainability Consortium.

Professor Elsa Olivetti's research focuses on improving the environmental and economic sustainability of materials. Specifically, she develops analytical and computational models to provide early-stage information on the cost and environmental impact of materials. Professor Olivetti and her research-group colleagues work toward improving sustainability through increased use of recycled and renewable materials, recycling-friendly material design, and intelligent waste disposition. The Olivetti Group also focuses on understanding the implications of substitution, dematerialization, and waste mining on materials markets.

Dominic Barbato  
Vice President, Strategy & Innovation  
[Schneider Electric Sustainability Business](#)

Megan O'Connor  
Co-founder and CEO  
[Nth Cycle](#)

Joshua Posamentier  
Managing Partner and Co-Founder  
[Congruent Ventures](#)



3:30 PM

Local MIT Startups Rapid Fire Intros

- [MosaicML](#) – Making ML Training Efficient
- [TrustPoint](#) - Resilient GPS for the automated and augmented world
- [Zing Data](#) – Data at your fingertips for collaborative business intelligence
- [Vayu Robotics](#) – An environmentally sustainable and scalable robotics platform for mobility
- [VoiceBrain](#) – Analytics platform that turns group voice communication into real-time actionable insights
- [LongWave Photonics](#) - Quantum cascade lasers for spectroscopy and imaging

3:45 PM

Closing Remarks with Networking Reception