

# MIT Industrial Liaison Program Faculty Knowledgebase Report

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2022 MIT-Aalto Symposium in Finland

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April 26, 2022 9:30 am - 3:00 pm

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8:00

Registration with Coffee and Breakfast Pastries

## Welcome and Introduction

Ilkka Niemelä  
President  
[Aalto University](#)

Jukka Mäkelä  
Mayor  
[City of Espoo](#)

John Roberts  
Executive Director (Interim), [MIT Corporate Relations](#)



John Roberts  
Executive Director (Interim)  
[MIT Corporate Relations](#)

John Roberts has been Executive Director of MIT Corporate Relations (Interim) since February 2022. He obtained his Ph.D. in organic chemistry at MIT and returned to the university after a 20-year career in the pharmaceutical industry, joining the MIT Industrial Liaison Program (ILP) in 2013. Prior to his return, John worked at small, medium, and large companies, holding positions that allowed him to exploit his passions in synthetic chemistry, project leadership, and alliance management while growing his responsibilities for managing others, ultimately as a department head. As a program director at MIT, John built a portfolio of ILP member companies, mostly in the pharmaceutical industry and headquartered in Japan, connecting them to engagement opportunities in the MIT community. Soon after returning to MIT, John began to lead a group of program directors with a combined portfolio of 60-80 global companies. In his current role, John oversees MIT Corporate Relations which houses ILP and MIT Startup Exchange.

José Ramos  
Program Director, [MIT Corporate Relations](#)



José Ramos  
Program Director  
[MIT Corporate Relations](#)

José Ramos comes to CR from OSRAM (R&D), where he was Head of Engineering and Business Development at Innovation Americas. In his role at OSRAM, Ramos was a strong proponent of the ILP, attended many of our events, and experienced first-hand the OSRAM-ILP relationship. Before OSRAM, Ramos was Project Developer at NORESKO/United Technologies in Westborough, MA, where he managed engineering, sales, marketing, financial and legal teams to implement sustainability projects for industrial, commercial, and institutional customers in the US and the Caribbean. Before that, Ramos was an independent technology consultant for many years focused on Spanish-speaking markets. Ramos has also held positions as Lecturer at MIT (Spanish), Engineering Manager (Shooshanian Engineering), and Mechanical Engineer for Central America and Caribbean projects (Stone & Webster).

Ramos earned a Bachelor of Science in Mechanical Engineering at MIT and a Master of Arts in Spanish at Boston College. He also completed a one-year Icelandic language program at the University of Reykjavik.

9:15

Transforming Innovation: Designing for Sustainable Customers, Clients & Futures  
Michael Schrage  
Research Fellow, MIT Initiative on the Digital Economy, [MIT Sloan School of Management](#)



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Michael Schrage is a research fellow with the MIT Sloan School of Management's Initiative on the Digital Economy. His research, writing, and advisory work focuses on the behavioral economics of models, prototypes, and metrics as strategic resources for managing innovation risk and opportunity. He is author of the award-winning book *The Innovator's Hypothesis* (MIT Press, 2014), *Who Do You Want Your Customers to Become?* (Harvard Business Review Press, 2012), and *Serious Play* (Harvard Business Review Press, 2000). His latest book, *Recommendation Engines*, was published in September 2020 by MIT Press as part of its Essential Knowledge series. He's done consulting and advisory work for Microsoft, Procter & Gamble, British Telecom, BP, Siemens, Embraer, Google, iRise, the Office of Net Assessment, and other organizations

Schrage has run design workshops and executive education programs on innovation, experimentation, and strategic measurement for organizations all over the world and is currently pioneering work in selvesware technologies designed to augment aspects, attributes, and talents of productive individuals. He is particularly interested in the future co-evolution of expertise, advice, and human agency as technologies become smarter than the people using them.

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[How] Digital Technologies Can Empower Virtuous Cycles For & With People

10:00

Keynote: European Research and Business Ecosystems for Sustainable Battery Metals Recycling

Mari Lundström  
Professor in Hydrometallurgy and Corrosion  
[Aalto University](#)

Why Do You Know More of Metals Today than 5 Years Ago? - Batteries, Raw Materials and Recycling

10:45

MIT Professional Education and Aalto University Executive Education

10:50

Networking Break

MIT & Aalto Faculty Panel: Prioritizing Sustainability While Accelerating Innovation and Commercialization

Timo Huhtisaari  
Director, Sustainability & Future Business  
[ST1](#)

Liisa Aström  
VP Products & Systems  
[Vaisala](#)

Michael Schrage  
Research Fellow, MIT Initiative on the Digital Economy, [MIT Sloan School of Management](#)



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Carlo Ratti  
Director, [MIT Senseable City Lab](#)



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[MIT Senseable City Lab](#)

An architect and engineer by training, Professor Carlo Ratti teaches at the Massachusetts Institute of Technology (MIT), where he directs the Senseable City Lab, and is a founding partner of the international design and innovation office Carlo Ratti Associati. He graduated from the Politecnico di Torino and the École Nationale des Ponts et Chaussées in Paris, and later earned his MPhil and PhD at the University of Cambridge, UK.

A leading voice in the debate on new technologies' impact on urban life and design, Carlo has co-authored over 500 publications, including "The City of Tomorrow" (Yale University Press, with Matthew Claudel), and holds several technical patents. His articles and interviews have appeared on international media including The New York Times, The Wall Street Journal, The Washington Post, Financial Times, Scientific American, BBC, Project Syndicate, Corriere della Sera, Il Sole 24 Ore, Domus. His work has been exhibited worldwide at venues such as the Venice Biennale, the Design Museum Barcelona, the Science Museum in London, MAXXI in Rome, and MoMA in New York City.

Carlo has been featured in Esquire Magazine's 'Best & Brightest' list and in Thames & Hudson's selection of '60 innovators' shaping our creative future. Blueprint Magazine included him as one of the '25 People Who Will Change the World of Design', Forbes listed him as one of the 'Names You Need To Know' and Fast Company named him as one of the '50 Most Influential Designers in America'. He was also featured in Wired Magazine's 'Smart List: 50 people who will change the world'. Three of his projects – the *Digital Water Pavilion*,

12:00

Startup Lightning Talks

Jan Goetz  
CEO and co-Founder  
[IQM](#)

Dario Forneris  
Business Design and Sustainability Lead  
[Nordic Bioproducts Group](#)

George Harper  
VP Product and Partnerships  
[Gradient](#)

Abigail Jablansky  
Senior Business Development Lead  
[Amogy](#)

Jordan McRae  
Founder & CEO  
[Mobilus Labs](#)

Henry Minsky  
Co-founder and CTO  
[Leela AI](#)

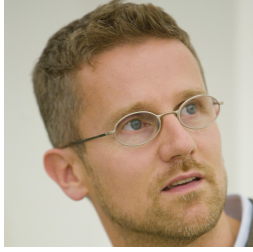
12:30

Lunch with Startup Exhibit

Keynote: Helsinki's Hot Heart, Winner of the 2021 Helsinki Energy Challenge

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Carlo has been a presenter at TED (in 2011 and 2015), program director at the Strelka Institute for Media, Architecture and Design in Moscow, curator of the BMW Guggenheim Pavilion in Berlin, and was named Inaugural Innovator in Residence by the Queensland Government. He was the curator of the Future Food District pavilion for the 2015 World Expo in Milan and chief curator of the "Eyes of the City" section at the 2019 UABB Biennale of Architecture and Urbanism of Shenzhen. He is currently serving as co-chair of the World Economic Forum's Global Future Council on Cities and Urbanization.

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14:15

Industry Panel: What's working and what's missing in Finnish corporate innovation?

Eerika Savolainen  
CEO  
[Slush](#)

Michael Schrage  
Research Fellow, MIT Initiative on the Digital Economy, [MIT Sloan School of Management](#)



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Håkan Agnevall  
President and CEO  
[Wärtsilä](#)

Nathalie Ahlström  
President and CEO  
[Fiskars Group](#)

Mikael Hannus  
SVP Group Innovation and R&D  
[Stora Enso Oyj](#)

Lars Peter Lindfors  
Senior Vice President, Innovation  
[Neste](#)

15:15

MIT Professional Education and Aalto University Executive Education - Feedback from Audience Input

15:25

Global Energy Transition – What is the role of innovation?

Mika Anttonen  
Founder & Chairman  
[St1](#)

16:10

Adjournment with Networking Reception