MIT Industrial Liaison Program Faculty Knowledgebase Report

2023 MIT Paris Symposium: Future of Work

October 13, 2023 9:00 am - 4:30 pm

8:30 AM - 9:00 AM	Registration and Check-In
9:00 AM - 9:15 AM	Welcome & Introduction 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.

Christophe Lienard
Group Chief Innovation Officer, Bouygues

Christophe Lienard
Group Chief Innovation Officer
Bouygues

Christophe Lienard joined the Bouygues Group in 2011 and was appointed Chief Innovation Officer for Bouygues SA in September 2017. From 2013 to 2017, he was Chief Innovation Officer at Colas, one of the world leaders in mobility infrastructures, and created and ran the Colas Innovation Board. In October 2015, Colas announced the launch of Wattway to produce photovoltaic energy from roads, which won the climate solution trophy at COP21. Previously, Lienard was Deputy CEO and Director of the Anovo Group from and earlier started his career with the Swedish group Atlas Copco. Lienard is a graduate from “Arts et Métiers ParisTech,” a National Graduate Engineering School engineer, has an advanced degree from UPMC Paris on energy conversion, and an Executive MBA from ICG. He is cofounder of the think tank Futura Mobility, cofounder and Vice President of IMPACT-AI, and a member of the Scientific Committee of the Global Center for the Future.

9:15 AM - 9:55 AM

Augmenting Performance With AI
Pattie Maes

Germeshausen Professor and Professor of Media Technology, MIT Media Lab
Head, Fluid Interfaces Research Group

Pattie Maes

Germeshausen Professor and Professor of Media Technology, MIT Media Lab
Head, Fluid Interfaces Research Group

Pattie Maes is the Germeshausen Professor of Media Arts and Sciences at the MIT Media Lab. She runs the Fluid Interfaces research group, which does research at the intersection of Human Computer Interaction and Artificial Intelligence with a focus on applications in health, wellbeing and learning. Maes is also a faculty member in MIT's center for Neuro-Biological Engineering. She is particularly interested in the topic of *cognitive enhancement*, or how wearable, immersive and brain-computer interface systems can actively assist people with issues such as memory, attention, learning, decision making, communication, wellbeing, and sleep.

Maes is the editor of four books, and is an editorial board member and reviewer for numerous professional journals and conferences. She has received several awards: Netguru selected her for "Hidden Heroes: the people who shaped technology (2022), Time Magazine has included several of her designs in its annual list of inventions of the year; AAAI gave her the "classic paper 2012" prize, awarded to the most influential AI paper of the year, *Fast Company* named her one of 50 most influential designers (2011); *Newsweek* picked her as one of the "100 Americans to watch for" in the year 2000; *TIME Digital* selected her as a member of the “Cyber Elite,” the top 50 technological pioneers of the high-tech world; the World Economic Forum honored her with the title "Global Leader for Tomorrow"; Ars Electronica awarded her the 1995 World Wide Web category prize; and in 2000 she was recognized with the "Lifetime Achievement Award" by the Massachusetts Interactive Media Council. She also received honorary doctorates from the Vrije Universiteit Brussel in Belgium and Open Universiteit, Netherlands, and has given several TED talks.

In addition to her academic endeavors, Maes has been an active entrepreneur as co-founder of several venture-backed companies, including Firefly Networks (sold to Microsoft), Open Ratings (sold to Dun & Bradstreet) and Tulip Co (privately held). She is an advisor to several early stage companies, including Earable, Inc, and Spatial, Inc. Prior to joining the Media Lab, Maes was a visiting professor and a research scientist at the MIT Artificial Intelligence Lab. She holds a bachelor's degree in computer science and a PhD in artificial intelligence from the Vrije Universiteit Brussel in Belgium.

View full bio

9:55 AM - 10:35 AM

Supermind Design: Helping People And Technology Work Smarter Together
Kathleen D Kennedy
Executive Director, MIT Center for Collective Intelligence

Kathleen D Kennedy
Executive Director
MIT Center for Collective Intelligence

With multiple leadership roles at MIT, Kathleen is on the front lines of technology and innovation. Right now, she is passionate about AI education, digital transformation, and sustainable fashion. She is a strategic leader with a unique skill set for transforming organizations as well as building new ones.

As Executive Director of the MIT Center for Collective Intelligence, Kathleen works with a multidisciplinary research team on Supermind Design, a methodology for designing intelligent human/machine organizations. She is putting that into practice at MIT Open Learning, where she leads MIT Horizon, a digital learning platform helping organizations to train at scale about emerging technologies such as AI.

Our world is filled with complex systems of people and machines that we humans have designed: from companies and governments to economies and societies and as technologies and human desires change, the configurations of these systems often need to change, too. Supermind Design is an approach that emphasizes generating innovative new possibilities for how to configure these systems.

10:35 AM - 11:15 AM

Big Fish' Automation – Scaling New Technologies That Improve Work
Ben Armstrong
Executive Director, MIT Industrial Performance Center

Ben Armstrong
Executive Director
MIT Industrial Performance Center

Ben?Armstrong?is the executive director of MIT's Industrial Performance Center, where he co-leads the Work of the Future initiative. His research examines how workers, firms, and regions adapt to technological change. His current projects include a working group on generative AI, as well as a book on American manufacturing competitiveness. His work has been published or featured in academic and popular outlets including the?New?York?Times, Harvard Business?Review,?Forbes,?Sloan Management Review, Times?Higher Education, the?Boston Review, Daedalus, and Economic Development Quarterly. He received his PhD from MIT and formerly worked at Google Inc.

11:15 AM - 11:30 AM

Networking Break

11:30 AM - 12:15 PM Panel Discussion

Vincent Maret
Innovation and Transformation Director
Bouygues Group

Ben Armstrong
Executive Director, MIT Industrial Performance Center

Ben Armstrong
Executive Director
MIT Industrial Performance Center

Ben?Armstrong?is the executive director of MIT's Industrial Performance Center, where he co-leads the Work of the Future initiative. His research examines how workers, firms, and regions adapt to technological change. His current projects include a working group on generative AI, as well as a book on American manufacturing competitiveness. His work has been published or featured in academic and popular outlets including the?New?York?Times, Harvard Business?Review,?Forbes,?Sloan Management Review, Times?Higher Education, the?Boston Review, Daedalus, and Economic Development Quarterly. He received his PhD from MIT and formerly worked at Google Inc.

Kathleen D Kennedy
Executive Director, MIT Center for Collective Intelligence

Kathleen D Kennedy
Executive Director
MIT Center for Collective Intelligence

With multiple leadership roles at MIT, Kathleen is on the front lines of technology and innovation. Right now, she is passionate about AI education, digital transformation, and sustainable fashion. She is a strategic leader with a unique skill set for transforming organizations as well as building new ones.

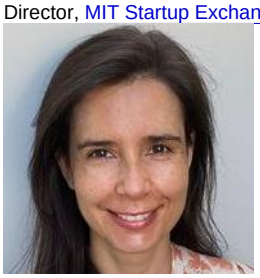
As Executive Director of the MIT Center for Collective Intelligence, Kathleen works with a multidisciplinary research team on Supermind Design, a methodology for designing intelligent human/machine organizations. She is putting that into practice at MIT Open Learning, where she leads MIT Horizon, a digital learning platform helping organizations to train at scale about emerging technologies such as AI.

Jean-Manuel Soussan
Chief of Human Resources
Bouygues Group

12:15 PM - 1:30 PM Lunch

1:30 PM - 1:45 PM

Startup Session Introduction
Catarina Madeira
Director, MIT Startup Exchange



Catarina Madeira
Director
MIT Startup Exchange

Catarina has been working with the Cambridge/Boston startup ecosystem for over 10 years and joined Corporate Relations with a solid network in the innovation and entrepreneurial community. Prior to MIT, she was part of the team that designed and launched the startup accelerator IUL MIT Portugal, which was later rebranded as Building Global Innovators. She was based in Lisbon and worked in direct relation with the Cambridge team. She held positions including Operations Coordinator, Program Manager, and Business Developer. The accelerator soon achieved steady growth in large part due to the partnerships that Catarina led with regional and global startup ecosystems. After that, she worked at NECEC, leading a program that connects cleantech startups and industry. In this role, she developed and built a pipeline of startups and forged strong relationships with both domestic and European companies. She has also held positions in Portugal and France, including at Saboaria e Perfumaria Confiança and L'Oréal as Technical Director and Pharmacist. Catarina earned her bachelor's in chemistry and pharmaceutical sciences in Portugal. She went on to earn her Master of Engineering for Health and Medicines in France.

Stanislas Buffet
Program Manager
Cap Digital

1:45 PM - 3:15 PM

Startup Lightning Talks

Peter Godart
Co-founder and CEO
Found Energy

Tristan Swedish
CTO and Co-Founder
Ubicept

Virj Kan
CEO
Primitives Biodesign

John Xin
Co-founder and CEO
Lunewave

Patrick Stack
Principal Software Engineer
GelSight

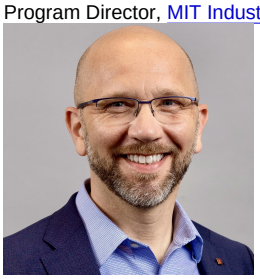
3:15 PM - 3:25 PM

Closing Remarks
Christophe Lienard
Group Chief Innovation Officer, Bouygues

Christophe Lienard
Group Chief Innovation Officer
Bouygues

Christophe Lienard joined the Bouygues Group in 2011 and was appointed Chief Innovation Officer for Bouygues SA in September 2017. From 2013 to 2017, he was Chief Innovation Officer at Colas, one of the world leaders in mobility infrastructures, and created and ran the Colas Innovation Board. In October 2015, Colas announced the launch of Wattway to produce photovoltaic energy from roads, which won the climate solution trophy at COP21. Previously, Lienard was Deputy CEO and Director of the Anovo Group from and earlier started his career with the Swedish group Atlas Copco. Lienard is a graduate from “Arts et Métiers ParisTech,” a National Graduate Engineering School engineer, has an advanced degree from UPMC Paris on energy conversion, and an Executive MBA from ICG. He is cofounder of the think tank Futura Mobility, cofounder and Vice President of IMPACT-AI, and a member of the Scientific Committee of the Global Center for the Future.

Olivier J Cadet
Program Director, MIT Industrial Liaison Program



Olivier J Cadet
Program Director
MIT Industrial Liaison Program

Prior to joining MIT in September 2022, Olivier Cadet was Senior Vice President Global Operations, Americas, and President of Kongsberg Maritime Inc. located in Houston, TX and responsible for Kongsberg Maritime operations in the Americas region. Prior to assuming his role in July 2018, Olivier was Executive Vice President of Products & Services, based in Norway. In that role, Olivier was overseeing the teams managing Kongsberg Maritime’s products portfolio aligned with market demands and future trends, such as autonomous operations and digital performance. Olivier was also accountable for Kongsberg Maritime’s strategic initiative around Information Management System and Smart Data.

Olivier started his international career in the offshore drilling industry in 1998, working for Schlumberger/Transocean as a Controls Engineer where he was involved in the installation, commissioning and support of Dynamic Positioning and Automation systems on offshore drilling rigs. In 2004 Olivier joined Air Liquide, the world leader in industrial gases, where he served for 9 years in a variety of innovation management roles, including R&D Group Manager and Program Director, driving Air Liquide’s research efforts in the field of Advanced Process Control and Operations Research to support the company’s efficiency program.

A dual citizen (U.S./France), Olivier graduated from the Grenoble Institute of Technology (INP Grenoble) in France in 1998 with a Master of Engineering (Diplôme d’Ingénieur) in Electrical Engineering. He completed the Advanced Management Program with MIT Sloan Executive Education in June 2022.

3:25 PM 4:30 PM

Networking Reception