

# MIT Industrial Liaison Program Faculty Knowledgebase Report

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2024 MIT Dubai Conference

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March 6, 2024 - March 7, 2024

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Day 1 | March 6, 2024

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2:00 PM

Welcome & Introduction

[Dubai Police](#)

2:15 PM

MIT Welcome & Program Overview

David Martin

Program Director, [MIT Industrial Liaison Program](#)



David Martin

Program Director

[MIT Industrial Liaison Program](#)

Mr. David Martin joined Corporate Relations on August 15, 2018 as Program Director for the ILP. Martin comes to OCR with deep and broad knowledge and expertise in program management, innovation, commercial and government contracting, and strategic planning. In his most recent position at Altran (Burlington, MA) as the VP Programs, Dave had many major accomplishments including leading an innovation team to develop new technology in the beverage-filling industry, and managing client-facing relations supporting sales and execution of projects. Before that, he was at Windmill International as VP, Product Development, R&D. There he spearheaded the move into new markets for an innovative satellite communications product including through the SBIR program where he secured funding and sponsorship. Martin also leveraged other government programs collaborating with the DoD and congressional contacts. He began his career in the US Air Force as an Active Duty Captain and served for 10 years as an Acquisition Manager, Scientist, Test Director, and finally as Executive Officer in the Executive Office for Command, Control and Communications Systems in the Pentagon. Martin also served in the US Air Force Reserves before joining Windmill.

Mr. Martin earned his B.S., Physics from MIT, and his M.S., Systems Management from the University of Denver. He also earned a Certificate in Information Systems at the University of Denver.

2:25 PM

## The Rise of Cyber Crime

Stuart Madnick

John Norris Maguire Professor of Information Technologies, MIT Sloan School of Management

Professor of Engineering Systems in the Institute for Data, Systems, and Society, MIT School of Engineering

Founding Director, [Cybersecurity at MIT Sloan \(CAMS\)](#)



Stuart Madnick

John Norris Maguire Professor of Information Technologies, MIT Sloan School of Management

Professor of Engineering Systems in the Institute for Data, Systems, and Society, MIT School of Engineering

Founding Director

[Cybersecurity at MIT Sloan \(CAMS\)](#)

Dr. Madnick involvement in cybersecurity research goes back to 1979, when he co-authored the book *Computer Security*. Currently, he heads **Cybersecurity at MIT Sloan: the Interdisciplinary Consortium for Improving Critical Infrastructure Cybersecurity**, - formerly (IC)<sup>3</sup>.

Dr. Madnick holds a Ph.D. in computer science from MIT and has been an MIT faculty member since 1972. He served as the head of MIT's Information Technologies Group in the Sloan School of Management for more than 20 years. He is the author or co-author of more than 400 books, articles and reports. Besides cybersecurity, his other research interests include Big Data, semantic connectivity, database technology, software project management and the strategic use of information technology.

Dr. Madnick has been active in industry as a developer of IBM's VM/370 operating system and Lockheed's DIALOG system. He has served as a consultant to major corporations and has been the co-founder of five high-tech firms and currently operates the 14th-century Langley Castle Hotel in England.

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2:55 PM

Cyber Crime - What Should the Police Do About It?

Stuart Madnick

John Norris Maguire Professor of Information Technologies, MIT Sloan School of Management

Professor of Engineering Systems in the Institute for Data, Systems, and Society, MIT School of Engineering

Founding Director, [Cybersecurity at MIT Sloan \(CAMS\)](#)



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Major Saeed Almerri

Chief Information Security Officer

[Dubai Police, UAE](#)

3:40 PM

MIT Startup Exchange Lightning Talks  
Tricia Dinkel  
Manager of Partnerships & Engagement, [MIT Startup Exchange](#)



Tricia Dinkel  
Manager of Partnerships & Engagement  
[MIT Startup Exchange](#)

Tricia Dinkel comes to Corporate Relations with several years of experience in the innovation ecosystem and managing relationships with startups and corporates. Tricia previously worked as Director of Navigate (NECEC's flagship innovation program) at the Northeast Clean Energy Council (NECEC) in Boston where she led all operations and partnership development for 400+ startups, 65+ innovation partners, and 200+ investors & corporates in North America and Europe. Prior to that role, Tricia held positions with increasing responsibility in program management at NECEC. Before that, her experience included Director of Data Analytics and Sustainability Reporting Manager at WegoWise Inc. in Boston, Associate Director at the Committee on Capital Markets Regulation in Cambridge, Senior Sustainability Coordinator at A Better City in Boston, and Assistant Director at The Green Alliance in Portsmouth, NH.

Tricia earned her B.A., Environmental Studies/Natural Resource Policy at the University of Colorado, and her M.A., Environmental Science Education at the University of New Hampshire. She served on the NECEC Diversity & Inclusion Committee and as a member of the USGBC (U.S. Green Building Council), Massachusetts Chapter.

Steve Golter  
CEO  
[Doradus Labs](#)

Ben Rocci  
Strategy & Business Development  
[Lamarr](#)

Shadi Abdallah  
Regional Director  
[REGENT Craft](#)

Eric Huckabee  
Product Engineer  
[SPECTROHM](#)

Peter Schmidt  
COO  
[Transcend Air](#)

4:10 PM

Day Conclusion - Overview of Day 2

Day 2 | March 7, 2024

1:55 PM

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Program Director, [MIT Industrial Liaison Program](#)



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Mr. David Martin joined Corporate Relations on August 15, 2018 as Program Director for the ILP. Martin comes to OCR with deep and broad knowledge and expertise in program management, innovation, commercial and government contracting, and strategic planning. In his most recent position at Altran (Burlington, MA) as the VP Programs, Dave had many major accomplishments including leading an innovation team to develop new technology in the beverage-filling industry, and managing client-facing relations supporting sales and execution of projects. Before that, he was at Windmill International as VP, Product Development, R&D. There he spearheaded the move into new markets for an innovative satellite communications product including through the SBIR program where he secured funding and sponsorship. Martin also leveraged other government programs collaborating with the DoD and congressional contacts. He began his career in the US Air Force as an Active Duty Captain and served for 10 years as an Acquisition Manager, Scientist, Test Director, and finally as Executive Officer in the Executive Office for Command, Control and Communications Systems in the Pentagon. Martin also served in the US Air Force Reserves before joining Windmill.

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2:00 PM

Innovation in Policing (& other large organizations)

Olivier J Cadet

Program Director, [MIT Industrial Liaison Program](#)



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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.

2:30 PM

New Cybersecurity Regulations can help combat Cyber Crime

Stuart Madnick

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Senseable Dubai Lab  
Martina Mazzarello  
Senior Postdoctoral Researcher, Senseable Dubai Lab Lead, [MIT Senseable City Lab](#)



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Senior Postdoctoral Researcher, Senseable Dubai Lab Lead  
[MIT Senseable City Lab](#)

Dr. Martina Mazzarello is a Postdoctoral Researcher based in Boston at the MIT Senseable City Lab. Passionate about exploring the convergence of the environment's physical, digital, and human interaction layers, Martina is at the forefront of groundbreaking research in urban dynamics.

As a Researcher and Research Manager, Martina leads multiple projects utilizing data and scientific methods to understand the evolving ways people live and work in cities. Engaging her audience with interactive keynotes and workshops, Martina ensures that her research has a real-world impact.

Martina's notable publications include "The effect of co-location on human communication networks" (2022) in Nature Computational Science and "Boil water alerts and their impact on the unexcused absence rate in public schools in Jackson, Mississippi" (2023) in Nature Water.

An accomplished speaker, Martina has participated in various webinars and keynote events worldwide, including cities such as Amsterdam, Rome, Helsingborg, Milan, Venice, Seoul, Busan, Trondheim, Laval, Cali, London, Jakarta, Beijing, Thuwal, New York, Singapore, Boston, and Mexico City.

As a Project Storyteller, Martina transforms complex research into engaging websites, stories, and visualizations. Her design expertise is evident in projects like the Jackson Boiling website (<https://jackson-boiling.org/>), MIT Senseable City Lab's Proximate project (<http://senseable.mit.edu/proximate>), and the Nature Computational Science covers (<https://www.nature.com/natcomputsci/volumes/2/issues/8>), as well as the online research tools platform, DataSlots (<https://dataslots.org>).

Martina thrives in collaborative environments, contributing to teams by building strategic partnerships, producing new developments, and supporting design, visual, and tech implementation projects. She envisions each project as an opportunity to design research tools and methods that enhance urban spaces and services, fostering new human interactions.

With a background that spans Italy (Genoa, Milan), the United States (New York, Boston), China (Shanghai), and Kenya (Mombasa), Martina brings a diverse perspective shaped by a desire to explore the world and new cultures through meaningful interactions. Currently based in Boston, Martina is set to embark on the next chapter of her journey in Dubai.



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Innovation Through Collaboration in Real Life  
Olivier J Cadet  
Program Director, [MIT Industrial Liaison Program](#)



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Shadi Abdallah  
Regional Director  
[REGENT Craft](#)

Captain Aisha Saeed Harib  
Head of Knowledge, Innovation, and Development Center  
[Dubai Police](#)

Fareed Aljawhari  
Chief Executive Officer  
[Micropolis Robotics](#)