

MIT Industrial Liaison Program Faculty Knowledgebase Report

2024 Decoding Tomorrow: The Future of Intelligent Enterprise

January 30, 2024 12:00 pm - 6:00
pm

12:00 PM

Registration and Lunch

1:30 PM

Welcome and Introduction

Politecnico

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



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Director
[MIT Industrial Liaison Program](#)

Klaus Schleicher joined the Office of Corporate Relations in 2013. He has a Global Operations and Technology background that has delivered rapid profitable growth in the imaging systems, speech recognition, IT security and consulting, digital printing & media industries. He has executive experience in Sales, Marketing, Product Development, Strategy and Business Development and has held senior positions at Universal Wilde, Presstek Inc., Consul Risk Management B.V. (IBM), Lernout & Hauspie (Nuance), Agfa (Bayer Corp.) and Honeywell Inc. He holds a Master Degree in Computer Science and Engineering, from the Technical University of Giessen in Germany.

[View full bio](#)

Enrico Deluchi
CEO
[PoliHub](#)

1:45 PM

A New Era of an Industry: the AI Advantage in Manufacturing Excellence

Marco Taisch
President
[MADE Competence Center](#)

Explore the innovative impact of Artificial Intelligence (AI) on the manufacturing landscape. From predictive maintenance to intelligent automation, discover how AI technologies are revolutionizing processes, optimizing efficiency, and paving the way for a new era of manufacturing excellence.

2:05 PM

Panel: Investing in Tough Tech

Cordellia Sita
Technology Licensing Officer
[MIT Technology Licensing Office](#)

Chloe Holzinger
Director of Strategic Partnerships
[The Engine Ventures](#)

2:35 PM

Startup Lightning Talks: MIT Startup Exchange

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.

Markus Gürster
Founder and CEO
[MontblancAI](#)

Yudong Cao
Chief Technology Officer & Co-Founder
[Zapata AI](#)

Tommaso Zennaro
Product Designer
[Pendulum Global](#)

Anuraag Singh
Co-Founder and CTO
[TechNext](#)

Devavrat Shah
CEO and Co-Founder
[Ikigai Labs](#)

3:35 PM

Break

3:50 PM

Deconstructing the Power of Time Series Data: Bringing AI to the Enterprise

Devavrat Shah

Andrew (1956) and Erna Viterbi Professor, [MIT Department of Electrical Engineering and Computer Science](#)



Devavrat Shah

Andrew (1956) and Erna Viterbi Professor

[MIT Department of Electrical Engineering and Computer Science](#)

Devavrat Shah is Andrew (1956) and Erna Viterbi Professor of AI and Decisions at MIT where he is currently the faculty director of Deshpande Center for Technology Innovation as well as founding director of Statistics and Data Science Center. His research focuses on algorithms for Statistics and Machine Learning. He is a Kavli Fellow of National Academy of Sciences, distinguished alumni of his alma mater IIT Bombay. Previously he co-founded retail analytics start-up Celect which is now part of Nike since 2019. Currently, he is focused on making AI functionalities accessible. Towards that, he co-founded Ikigai Labs in 2019 with the mission of enabling the use of AI with the ease of spreadsheets.

[View full bio](#)

In this session, we'll discuss AI integration in enterprise workflows, combining business imperatives, the urgency of evolving data landscapes, and advanced AI solutions. Despite the transformative potential of AI, exemplified by ChatGPT, a staggering 85% of AI projects fail due to a lack of strategic approach.

Professor Shah's presentation aims to address this gap in three parts:

- Emphasizing the central role of time series data in enterprise decisions
- Challenges of rapidly expanding data sources
- The superiority of Large Graphical Models (LGMs) over traditional AI models.

Professor Shah will provide a balanced view, combining insights and real-world examples to demonstrate how AI can be pragmatically and successfully incorporated into enterprise operations, not as a one-size-fits-all solution, but as a versatile technology that can significantly enhance business processes and decision-making.

4:10 PM

Autonomous Racing: a Booster for New Mobility Model Development

Sergio Matteo Savaresi

Professor, Dipartimento di Elettronica, Informazione e Bioingegneria (DEIB)

[Politecnico di Milano](#)

The convergence of AI and mobility solutions has catalyzed a paradigm shift in the automotive industry, paving the way for innovative approaches to transportation. This presentation explores the transformative potential of autonomous racing as a catalyst for the development of novel mobility models. Drawing from experiences within the AI-driven mobility landscape, the focus will be on the case study of PoliMove, a pioneering initiative at the intersection of artificial intelligence and racing dynamics.

4:30 PM

Startup Lightning Talks: PoliHub

Enrico Deluchi
CEO
[PoliHub](#)

Daniele Panfilo
CEO & Co-Founder
[Aindo AI](#)

Mattia Dalla Piazza
CEO & Co-Founder
[Equixly](#)

Nicolas Pantaleo
Product Management Lead
[iGenius](#)

Stefano Carnier
Senior Software Engineer
[AS.CAR.I](#)

Lorenzo Benedetti
CEO
[Displaid](#)

5:30 PM

Algorithmic Discrimination in Credit Decision-Making

Roberto Rigobon
Society of Sloan Fellows Professor of Management
Professor of Applied Economics
[MIT Sloan School of Management](#)

The integration of machine learning and econometric methods in credit assessment has revolutionized the loan application evaluation process, mitigating subjectivity. However, reliance on historical financial data introduces biases, reinforcing discrimination based on attributes like race, gender, and sexual orientation. This speech presents a systematic literature review encompassing research settings, discrimination theories, legal frameworks, fairness metrics, issues, solutions, and future challenges. Analyzing 78 papers from major databases, our meta-analysis reveals a focus on Computer Science, Law, and Economics perspectives, particularly in the financial sector. While researchers address direct discrimination through algorithmic fairness, the study highlights a critical gap in addressing structural discrimination, signaling avenues for future research.

5:50 PM

Closing Remarks

6:00 PM

Networking Reception