

# MIT Industrial Liaison Program Faculty Knowledgebase Report

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2025 MIT AI Conference

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April 1, 2025 8:00 am - 5:00 pm

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9:00 AM

Welcome and Introduction  
Gayathri Srinivasan  
Executive Director, [MIT Corporate Relations](#)



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Executive Director  
[MIT Corporate Relations](#)

Dr. Srinivasan is a distinguished scientist who received her PhD in Microbiology from The Ohio State University in 2004, where she contributed to the discovery of the 22nd amino acid, Pyrrolysine (2002). She first came to MIT as an NIH Postdoctoral Fellow in Prof. Tom Rajbhandary's lab, where her research focused on understanding protein synthesis mechanisms in Archaea.

Dr. Srinivasan subsequently moved into the business development and technology licensing space, serving in MIT's Technology Licensing Office, where she helped commercialize technologies in medical devices and alternative energies. She then moved to UMass Medical School's Office of Technology Management in 2009 and to Emory University in Atlanta in 2014 as the Director of Public and Private Partnerships for the Woodruff Health Sciences Center. In 2019, Dr. Srinivasan joined Emory's Office of Corporate Relations as Executive Director, and in 2021, she led the Office of Corporate and Foundation Relations.

9:15 AM

The Big Picture: Trends and Promises of AI

9:45 AM

The Impact of AI on the Economy & the Future of Work

David Autor

Ford Professor, [MIT Department of Economics](#)



David Autor

Ford Professor

[MIT Department of Economics](#)

David Autor is Ford Professor in the MIT Department of Economics. His scholarship explores the labor-market impacts of technological change and globalization on job polarization, skill demands, earnings levels and inequality, and electoral outcomes.

Autor has received numerous awards for both his scholarship—the National Science Foundation CAREER Award, an Alfred P. Sloan Foundation Fellowship, the Sherwin Rosen Prize for outstanding contributions in the field of Labor Economics, the Andrew Carnegie Fellowship—and for his teaching, including the MIT MacVicar Faculty Fellowship.

In 2017, Autor was recognized by Bloomberg as one of the 50 people who defined global business. In March of 2019, he was christened "Twerpy MIT Economist, David Autor" by John Oliver, host of Last Week Tonight, during a segment on automation and employment. Autor is currently determining how to merchandise this title.

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10:15 AM

MIT Professional Education

Myriam Joseph

Manager, Business Development and Marketing, [MIT Professional Education](#)

10:20 AM

Networking Break

10:45 AM

Panel Discussion: Future of Knowledge, Systems, Skills, and Intelligence

Michael Schrage

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



Michael Schrage

Research Fellow, MIT Initiative on the Digital Economy

[MIT Sloan School of Management](#)

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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Josh Tenenbaum

Caspar Hare

Agustin Rayo

Dean, [MIT School of Humanities, Arts, and Social Sciences](#)



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Dean Agustín Rayo PhD '01 is a professor of philosophy. His research lies at the intersection of the philosophy of logic and the philosophy of language. He is the author of numerous articles and two books: [The Construction of Logical Space](#) (OUP, 2013) and [On the Brink of Paradox](#) (MIT Press, 2019), which won the 2020 PROSE Award for best textbook in the humanities. Dean Rayo redesigned 24.118 *Paradox and Infinity*, a class on topics at the intersection of philosophy and mathematics that is taught both residentially and [online](#). Before his current role as SHASS Dean, Rayo served terms as Associate Dean and Interim Dean of the School, and he served as head of house at one of our undergraduate dormitories.

Sam Madden

11:30 AM

MIT Startup Exchange Lightning Talks

12:20 PM

Lunch Break with Startup Exhibits

1:40 PM

AI: From Chips to Impact  
Jesús A. del Alamo  
Donner Professor in the School of Engineering



Jesús A. del Alamo  
Donner Professor in the School of Engineering

Jesus A. del Alamo is the Donner Professor and Professor of Electrical Engineering at Massachusetts Institute of Technology. He obtained a Telecommunications Engineer degree from the Polytechnic University of Madrid and MS and PhD degrees in Electrical Engineering from Stanford University. From 1985 to 1988 he was with Nippon Telegraph and Telephone LSI Laboratories in Japan and since 1988 he has been with the Department of Electrical Engineering and Computer Science of Massachusetts Institute of Technology. From 2013 until 2019, he served as Director of the Microsystems Technology Laboratories at MIT. His current research interests are focused on nanoelectronics based on compound semiconductors and ultra-wide bandgap semiconductors.

Prof. del Alamo was an NSF Presidential Young Investigator. He is a member of the Royal Spanish Academy of Engineering and Fellow of the Institute of Electrical and Electronics Engineers, the American Physical Society and the Materials Research Society. He is the recipient of the Intel Outstanding Researcher Award in Emerging Research Devices, the Semiconductor Research Corporation Technical Excellence Award, the IEEE Electron Devices Society Education Award, the University Researcher Award by Semiconductor Industry Association and Semiconductor Research Corporation, the IPRM Award and the IEEE Cledo Brunetti Award. He currently serves as Editor-in-Chief of IEEE Electron Device Letters. He is the author of "Integrated Microelectronic Devices: Physics and Modeling" (Pearson 2017, 880 pages), a rigorous and up to date description of transistors and other contemporary microelectronic devices.

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2:40 PM

AI Advancement and Impacts  
Marzyeh Ghassemi

3:25 PM

Networking Break

3:50 PM

AI Trail Blazers

John Horton

Markus J. Buehler

Jerry McAfee Professor of Engineering, [MIT Department of Civil and Environmental Engineering](#) and [MIT Department of Mechanical Engineering](#)



Markus J. Buehler

Jerry McAfee Professor of Engineering, [MIT Department of Civil and Environmental Engineering](#) and [MIT Department of Mechanical Engineering](#)

Dr. Markus J. Buehler, Jerry McAfee Professor of Engineering at MIT, is a leading researcher in materials science and the mechanics of natural and biological protein materials. Markus' expertise spans large-scale atomistic modeling, the interaction of chemistry and mechanics, and the development of multiscale simulation tools. He recently co-developed a method that uses artificial intelligence to generate new protein designs with specific strengths, mimicking natural materials like silk. This approach, which uses computer simulations for testing, allows the creation of proteins with desired mechanical properties, such as strength and flexibility, beyond what is naturally available. Markus earned a Ph.D. at the Max Planck Institute for Metals Research at the University of Stuttgart and held post-doctoral appointments at both Caltech and MIT.

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Manish Raghavan

5:00 PM

Networking Reception