

## MIT Industrial Liaison Program Faculty Knowledgebase Report

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Work of the Future @MIT

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May 4, 2021 12:00 pm - 2:00 pm

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12:00 PM

Work of the Future @MIT Roundtable  
Thomas Malone

Patrick J McGovern (1959) Professor of Management  
Founding Director, Center for Collective Intelligence (CCI)  
MIT Sloan School of Management



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Thomas W. Malone is the Patrick J. McGovern Professor of Management at the [MIT Sloan School of Management](#) and the founding director of the [MIT Center for Collective Intelligence](#). At MIT, he is also a Professor of Information Technology and a Professor of Work and Organizational Studies. Previously, he was the founder and director of the [MIT Center for Coordination Science](#) and one of the two founding co-directors of the [MIT Initiative on "Inventing the Organizations of the 21st Century."](#) Professor Malone teaches classes on organizational design, information technology, and leadership, and his research focuses on how new organizations can be designed to take advantage of the possibilities provided by information technology.

For example, Professor Malone predicted, in an article published in 1987, many of the major developments in electronic business over the following 25 years, including electronic buying and selling for many kinds of products. Then, in 2004, Professor Malone summarized two decades of his research in his critically acclaimed book [The Future of Work](#). His newest book, [Superminds](#), appeared in May 2018. Professor Malone has also published over 100 articles, research papers, and book chapters; he is an inventor with 11 patents; and he is the co-editor of four books.

Malone has been a cofounder of four software companies and has consulted and served as a board member for a number of other organizations. His background includes work as a research scientist at Xerox Palo Alto Research Center (PARC), a Ph.D. from Stanford University, an honorary doctorate from the University of Zurich, and degrees in applied mathematics, engineering, and psychology.

[View full bio](#)

Lionel Kimerling

Thomas Lord Professor of Materials Science and Engineering  
Director, Microphotonics Center  
MIT Department of Materials Science and Engineering

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Lionel Kimerling is the Thomas Lord Professor of Materials Science and Engineering at MIT and the Director of the MIT Microphotonics Center. After a PhD at MIT, he served as Captain in the USAF. He was Head, Materials Physics Research at AT&T Bell Laboratories when he joined the faculty of MIT as Professor. He has authored more than 550 technical articles, and he holds more than 75 patents in the fields of integrated photonics and semiconductor processing. At AT&T, he led the corporate-wide Silicon Materials R,D&M Technology Forum. At MIT, Kimerling was Director of the Materials Processing Center for 15 years, establishing it as the industry portal for faculty across all materials-related disciplines. The MIT Microphotonics Center brings together faculty from eight departments in the Schools of Engineering, Science, Business, and Humanities for large industry-sponsored research programs and the Communication Technology Roadmap (CTR). More than 300 industrial, academic, and government organizations have contributed to Roadmap releases, which are now merged under the Integrated Photonics System Roadmap, International (IPSR-I). Kimerling's research teams have enabled long-lived telecommunications lasers; developed semiconductor inspection and root cause diagnostic methods such as DLTS, SEM-EBIC and RF-PCD; and pioneered silicon microphotonics.

Kimerling was President, TMS; Chairman, Editorial Board of the Journal of Electronic Materials; and he has served on the Advisory Board, National Center for Photovoltaics, DOE and the National Materials Advisory Board, NRC. Kimerling is the recipient of the ECS Electronics Division award, the TMS John Bardeen Award, the MIT Perkins Award for Excellence in Graduate Advising, and the Humboldt Senior Scientist Research Award. He is

