

Manufacturing@MIT Symposium: May 6, 2022

[Walker Memorial Building](#) (Building 50) - MIT Campus

142 Memorial Drive, Cambridge, MA 02139

[Register here](#)

Agenda as of April 12

Start	Topic
8:00 AM	Coffee and light breakfast available
8:30 AM	Welcome and Introduction John Hart , Professor of Mechanical Engineering
8:40 AM	A Perspective on MIT Research on Production Suzanne Berger , John M. Deutch Institute Professor
9:00 AM	US Manufacturing Priorities Elisabeth Reynolds , Special Assistant to the President for Manufacturing and Economic Development, National Economic Council
9:10 AM	Historical Perspectives on Manufacturing and a New Industrial Revolution David Mindell , Professor of Aeronautics and Astronautics, Dibner Professor of the History of Engineering and Manufacturing
9:30 AM	[Robotics and Automation] Julie Shah , Professor of Aeronautics and Astronautics, Associate Dean Schwarzman College of Computing
9:50 AM	Digital Design and 3D Printing Faez Ahmed , Assistant Professor of Mechanical Engineering Josephine Carstensen , Assistant Professor of Civil and Environmental Engineering TBD (Industry Speaker) Haden Quinlan (moderator) , Program Manager, MIT Center for Additive and Digital Advanced Production Technologies
10:20 AM	BREAK
10:35 AM	Advanced Manufacturing in the New Space Economy Zachary Cordero , Boeing Assistant Professor of Aeronautics and Astronautics
10:55 AM	Technology Adoption, Skill Development, and Manufacturing Competitiveness Ben Armstrong , Research Scientist and Executive Director, Industrial Performance Center
11:15 AM	Training a New Manufacturing Workforce Randy Kirchain (moderator) , Principal Research Scientist, Materials Research Laboratory John Liu , Lecturer, Department of Mechanical Engineering Erik Verlage , Research Scientist, Department of Materials Science and Engineering Anu Agarwal , Principal Research Scientist, Department of Materials Science and Engineering Cecile Chazot , PhD Candidate, Department of Materials Science and Engineering Michael Britt-Crane , Education and Workforce Development Lead, DoD ManTech
12:00 PM	LUNCH
12:40 PM	Manufacturing Policy: Past, Present, and Future Bill Bonvillian , Director of Special Projects, Office of Open Learning
1:00 PM	BREAK
1:10 PM	[Sustainability and Manufacturing] Elsa Olivetti , Esther and Harold E. Edgerton Associate Professor in Materials Science and Engineering
1:30 PM	Manufacturing Batteries at Scale for Decarbonization of Electricity Production Yet-Ming Chiang , Kyocera Professor of Materials Science and Engineering
1:50 PM	Advances in Technologies for Biological and Chemical Manufacturing Richard Braatz , Edwin R. Gilliland Professor of Chemical Engineering

2:10 PM	<u>Resilient Supply Chains</u> Jarrold Goentzel , <i>Principal Research Scientist and Director, MIT Humanitarian Supply Chain Lab</i>
2:30 PM	BREAK
2:40 PM	<u>Reasserting US Leadership in Microelectronics</u> Jesus del Alamo , <i>Donner Professor of Electrical Engineering</i>
3:00 PM	<u>Machine Learning for Manufacturing</u> Duane Boning , <i>Clarence J. LeBel Professor of Electrical Engineering and Computer Science</i>
3:20 PM	<u>Manufacturing of Semiconductor Membranes for Advanced Heterogeneous Integration</u> Jeehwan Kim , <i>Associate Professor of Mechanical Engineering</i>
3:30 PM	BREAK
3:40 PM	<u>MEng in Advanced Manufacturing and Design</u> Dave Hardt , <i>Ralph E. and Eloise F. Cross Professor in Manufacturing</i>
3:55 PM	<u>Scaling Manufacturing Startups</u> Speakers TBA Trond Undheim (<i>moderator</i>), <i>Tulip Interfaces</i>
4:35 PM	<u>Closing Remarks</u> Lionel Kimerling , <i>Thomas Lord Professor of Materials Science and Engineering</i> John Hart , <i>Professor of Mechanical Engineering</i>
4:45 PM	Adjourn