MIT CSAIL and the MIT IDE will host a 2-day conference to help industry effectively navigate the opportunities and challenges of the AI Revolution, as well as provide valuable insight to individuals charting their career paths across the many fields impacted by advances in AI.

**Day 1 | Wednesday, November 1, 2017 (EDT timezone)**

**8:00am - 8:30am** Breakfast and Networking

**8:30am - 8:40am** Welcome  
**Rafael Reif**, President, MIT

**8:40am - 8:50am** Opening Remarks  
**Daniela Rus**, Director, MIT CSAIL, and Professor, MIT EECS

**8:50am - 9:20am** Open Plenary  
**Yann LeCun**, Director, Facebook AI Research, and Professor, NYU

**Day 1 Panel Moderator:**  
**John Markoff**, Fellow, Center for Advanced Study in the Behavioral Sciences

**9:20am - 10:05am** The AI Revolution: Why now? What it means and how to realize the potential  
**Erik Brynjolfsson**, Director, MIT Initiative on the Digital Economy, and Professor, MIT Sloan School of Management  
**Kai-Fu Lee**, Chairman and CEO, Sinovation Ventures  
**James Manyika**, Chairman and Director, McKinsey Global Institute, and Senior Partner, McKinsey & Company  
**Mona Vernon**, CTO, Thomson Reuters Labs

**10:05am - 10:15am** Break

**10:15am - 11:00am** Positioning for Success: Augmentation vs. Automation  
**Dimitris Papageorgiou**, Partner, People Advisory Services, Ernst & Young  
**John Van Reenen**, Professor, MIT Department of Economics and MIT Sloan School of Management  
**Krystyn Van Vliet**, Professor of Material Science and Engineering and Biological Engineering, MIT Dept. of Materials Science and Engineering  
**Sophie Vandebroek**, Chief Operating Officer, IBM Research

**11:00am - 11:40am** Strategies to Navigate the First Phase  
**Allen Blue**, Co-Founder & Vice President of Product Management, LinkedIn  
**Jennifer Chayes**, Distinguished Scientist and Managing Director, Microsoft Research New England  
**Sam Madden**, Professor, MIT CSAIL, and Faculty Co-Director, SystemsThatLearn@CSAIL  
**Alex “Sandy” Pentland**, Professor, MIT Sloan School of Management, and Founding Director, MIT Connection Science Research Initiative
Lunch Talk: The State of AI in China
Kai-Fu Lee, Chairman and CEO, Sinovation Ventures, and President, Sinovation Ventures Artificial Intelligence Institute

A former artificial intelligence researcher, former head of Microsoft Research Asia and Google China, and long time investor in Chinese startups, Dr. Kai-Fu Lee will discuss that everyone should understand about cutting edge A.I. applications and tech powerhouses in China.

Thinking Machines: Robots Rising
Daniela Rus, Director, MIT CSAIL, and Professor, MIT EECS
Moshe Vardi, Professor, Computational Engineering, Rice University, and Director, Ken Kennedy Institute for Information Technology
Manuela Veloso, University Professor, and Head, Machine Learning Department, School of Computer Science, Carnegie Mellon University

Intelligent Automation: Opportunities and Challenges
Josh Tenenbaum, Professor, MIT CSAIL
Simon Thompson, Head of Big Data and Customer Experience Practice, BT
Patrick Winston, Professor, MIT CSAIL

Afternoon Plenary: Fireside Chat
Eric Schmidt, Executive Chairman, Alphabet
Host: Daniela Rus, Director, MIT CSAIL, and Professor, MIT EECS

Reality Check: What Major Technological Challenges Still Need to be Addressed to Realize Full Potential?
Cynthia Breazeal, Co-Director, Center for Future Storytelling, and Associate Professor of Media Arts and Sciences, MIT Media Lab
John Leonard, Professor, MIT CSAIL, and Associate Department Head for Research, MIT Department of Mechanical Engineering
Daniel Theobald, Co-Founder and Chief Innovation Officer, Vecna Robotics
Antonio Torralba, Professor of Electrical Engineering and Computer Science, MIT CSAIL

AI, Ethics, Law and Policy
Todd Solomon, Head of Employee Benefits, Compensation & Employment Practice Group, McDermott Will & Emery
Katie Stebbins, Vice President of Economic Development, University of Massachusetts
Catherine Tucker, Chair, MIT Sloan PhD Program, and Professor of Marketing, MIT Sloan School of Management
Daniel Weitzner, Principal Research Scientist, MIT CSAIL, and Founding Director, MIT Internet Policy Research Initiative

Vision: Industry 2020-2050
Rod Brooks, Founder, Chairman and CTO, Rethink Robotics, and Co-Founder, iRobot
Tom Kochan, Co-Director and Professor, Work and Employment Research, MIT Sloan School of Management
Andrew McAfee, Co-Director, MIT Initiative on the Digital Economy, and Principal Research Scientist, MIT Sloan School of Management

Closing Remarks
Lori Glover, Managing Director, Alliances, and Executive Director, SystemsThatLearn@CSAIL
Day 2 | Thursday, November 2, 2017 (EDT timezone)

8:00am - 8:50am  Breakfast and Networking

8:50am - 9:00am  Opening Remarks  
*Erik Brynjolfsson*, Director, MIT Initiative on the Digital Economy, and Professor, MIT Sloan School of Management

9:00am - 9:50am  Mind vs Machine: Implications for Productivity, Wages and Employment  
**Moderator: Daron Acemoglu**, Professor, MIT Department of Economics  
*Erik Brynjolfsson*, Director, MIT Initiative on the Digital Economy, and Professor, MIT Sloan School of Management  
*Robert Gordon*, Professor of Social Sciences, Northwestern University  
*Joel Mokyr*, Professor, Northwestern University

9:50am - 10:30am  Fireside Chat  
*Rusty Justice*, Co-Owner, Bit Source  
**Host: Maria T. Zuber**, Vice President for Research and E. A. Griswold Professor of Geophysics, MIT

10:30am - 10:50am  Break

10:50am - 11:40am  Mind Plus Machine- How can AI help workers?  
**Moderator: Anant Agarwal**, CEO, edX, Inc.  
*Fred Goff*, CEO, Jobcase  
*Andrew Lo*, Professor, MIT Sloan School of Management; Director, MIT Laboratory for Financial Engineering; and Principal Investigator, MIT CSAIL  
*Sanjay Podder*, Managing Director, Accenture Labs (India)

11:40am - 12:30pm  The AI Skill Set  
**Moderator: Barbara Dyer**, Senior Lecturer, MIT Sloan School of Management  
*Becky Frankiewicz*, President, Manpower Group, Inc.  
*Tom Hopcroft*, President & CEO, Mass Technology Leadership Council (MassTLC)  
*Tod Loofbourrow*, CEO, ViralGains, and Digital Fellow, MIT Initiative on the Digital Economy

12:30pm - 1:30pm  Lunch and Networking

1:30pm - 2:15pm  Retrain and Retain  
**Moderator: David Autor**, Professor of Economics and Associate Head, MIT Economics  
*Lavea Brachman*, Vice President of Programs, Ralph C. Wilson, Jr. Foundation  
*Randall Davis*, Professor, MIT CSAIL  
*George Westerman*, Principal Research Scientist, MIT Initiative on the Digital Economy  
*Christopher White*, Head, Network Algorithms, Analytics, Control and Security Research Lab, Nokia Bell Labs

2:15pm - 2:30pm  Break

2:30pm - 2:40pm  Video Presentation  
*Jeffrey Sachs*, University Professor and Director, Center for Sustainable Development, The Earth Institute, Columbia University

(continued)
Day 2 | Thursday, November 2, 2017 (continued)

2:40pm-3:40pm  A Call to Action
Moderator: Kathleen Kennedy, Director, Special Projects, MIT
Erik Brynjolfsson, Director, MIT Initiative on the Digital Economy, and Professor, MIT Sloan School of Management
Barbara Dyer, Senior Lecturer, MIT Sloan School of Management
Tom Kochan, Co-Director and Professor, Work and Employment Research, MIT Sloan School of Management
Elisabeth B. Reynolds, Executive Director, MIT Industrial Performance Center
Daniela Rus, Director MIT CSAIL, and Professor, MIT EECS
Sanjay Sarma, Vice President for Open Learning, MIT, and Professor, MIT Department of Mechanical Engineering

3:40pm - 4:10pm  Spotlight: Inclusive Innovation Challenge
Devin Cook, Executive Producer, Inclusive Innovation Challenge, MIT Initiative on the Digital Economy

4:10pm - 4:30pm  Closing Remarks
Erik Brynjolfsson, Director, MIT Initiative on the Digital Economy, and Professor, MIT Sloan School of Management
Daniela Rus, Director, MIT CSAIL, and Professor, MIT EECS

AI- artificial intelligence- is in the news almost daily. Businesses are looking for strategies to incorporate AI for efficiency and a competitive advantage. The workforce is concerned about the changes AI will bring for jobs and required skill sets.

At MIT, the Computer Science and Artificial Intelligence Lab (CSAIL) and the Sloan School of Management’s Initiative on the Digital Economy (IDE) have joined together to host a 2-day conference November 1 & 2, 2017 which will bring together thought leaders from academia, business leaders, economists and visionaries for a thoughtful dialogue on AI’s impact. The first day will focus on helping industry understand how to navigate the opportunities and challenges of the “AI Revolution”, where the second day will provide valuable insight to individuals in the workforce on charting career paths across many fields impacted by the advancements in AI.

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Learn more at: cap.csail.mit.edu

About the MIT Initiative on the Digital Economy

The MIT Initiative on the Digital Economy (IDE) is a major effort focused on the impact of digital technology on businesses, the economy, and society. The IDE is analyzing the broad sociological changes brought about by the advance and spread of digital technology. Learn more at: ide.mit.edu