MIT Better World (Washington, DC) 04.13.17







Since MIT was founded to help a young nation seize its future as an industrial powerhouse, the people of MIT have been busy solving hard problems and answering big questions, and they have left society transformed. Today, everyone at MIT is hacking societal problems. And we see humanity's pressing global challenges as invitations to action.

As we strive to meet these challenges, we seek allies who share our sense of mission, urgency, and infinite possibility. We invite you to join us in creating the future.

This is the MIT Campaign for a Better World.

Kofler Keif

L. Rafael Reif, President

MIT Better World (Washington, DC) Program



Opening Performance

Stephen Allsop PhD '16
Harvard-MIT MD/PhD Program

Welcome and Introduction

Megan Smith '86, SM '88 Third United States Chief Technology Officer, Entrepreneur, Engineer

Opening Remarks

L. Rafael Reif President, MIT Stories of Impact

Lily L. Tsai

Associate Professor of Political Science; Founder and Faculty Director, MIT Governance Lab

John Urschel

MIT Mathematics PhD Candidate; NFL Offensive Lineman

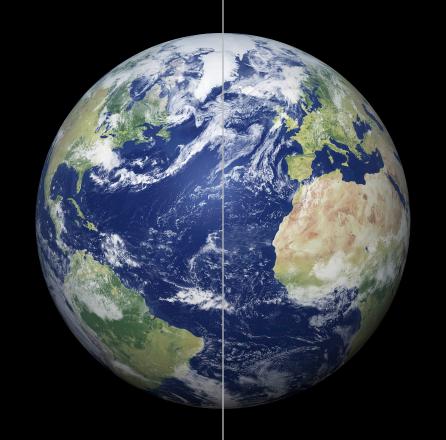
Sangeeta N. Bhatia SM '93, PhD '97

John J. and Dorothy Wilson Professor, Institute for Medical Engineering and Science and Electrical Engineering and Computer Science Department; Director, Marble Center for Cancer Nanomedicine

Remarks

L. Rafael Reif

Reception to follow



"MIT's greatest invention may be itself an unusual concentration of unusual talent, restlessly reinventing itself on a mission to make a better world."

Discovery Science

Transforming our world through fundamental scientific research.



"MIT's greatest invention may be itself an unusual concentration of unusual talent, restlessly reinventing itself on a mission to make a better world."



"MIT's greatest invention may be itself an unusual concentration of unusual talent, restlessly reinventing itself on a mission to make a better world."

MIT President L. Rafael Reif

Addressing critical environmental and sustainability challenges facing humankind.



Human Health

Defining the future of health through advances from bench to bedside across a broad range of disciplines. "MIT's greatest invention may be itself an unusual concentration of unusual talent, restlessly reinventing itself on a mission to make a better world."

Innovation and Entrepreneurship

Accelerating the journey from idea to impact.

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Teaching, Learning, and Living

Reimagining education for the 21st-century learner.



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The MIT Core

Attracting extraordinary students and faculty and providing them with the resources they need to thrive.

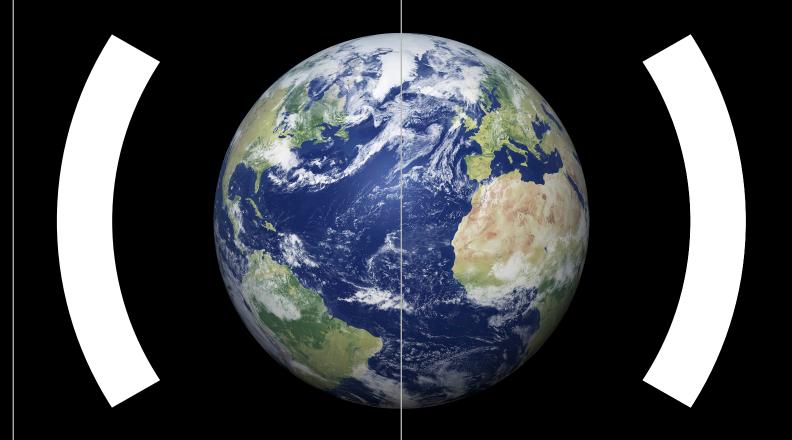
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(5×10⁹)

The Goal

The MIT Campaign for a Better World is about rising to meet humanity's urgent global challenges through the vision and talent of the people of MIT. Our \$5 BILLION goal is a bold one. To reach it, we call on MIT's friends and supporters to join us as we work to achieve our greatest aspirations for the world.

"MIT's greatest invention may be itself an unusual concentration of unusual talent, restlessly reinventing itself on a mission to make a better world."



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SPEAKER BIOGRAPHIES

Sangeeta N. Bhatia SM '93, PhD '97 is the John J. and Dorothy Wilson Professor at MIT's Institute for Medical Engineering and Science and in the Electrical Engineering and Computer Science Department, and she is the director of the Marble Center for Cancer Nanomedicine at the Koch Institute for Integrative Cancer Research. She is a member of the Ludwig Center for Molecular Oncology, also at the Koch Institute, and she is a Howard Hughes Medical Institute investigator. Bhatia has pioneered technologies for interfacing living cells with synthetic systems, enabling new applications in tissue regeneration, stem cell differentiation, medical diagnostics, and drug delivery. Her awards include the 20th Heinz Award for Technology, the Economy, and Employment, and the Lemelson-MIT Prize. Bhatia earned a BS in biomedical engineering from Brown University, an SM in mechanical engineering from MIT, an MD from Harvard Medical School, and a PhD in biomedical engineering from MIT.

L. Rafael Reif became MIT's 17th president in July 2012. He has fostered the growth of MIT's nonprofit online platform, edX, and findings from his Institute-wide Task Force on the Future of MIT Education are charting a path for MIT to help pioneer the future of higher education. Since creating the MIT Innovation Initiative, he has led an ambitious redevelopment of MIT's innovation district, including the recent launch of The Engine, a specialized "tough tech" accelerator. He also created the Environmental Solutions Initiative. anchored by the Abdul Latif Jameel World Water and Food Security Lab, and issued the MIT Plan for Action on Climate Change. Born in Venezuela, Reif earned a PhD in electrical engineering from Stanford University. On the MIT faculty since 1980, he is a member of the National Academy of Engineering.

Megan Smith '86, SM '88 served as the third United States chief technology officer and assistant to the president under President Obama. In her role, Smith and her team helped the president and the administration harness the power of data, innovation, and technology on behalf of the American people. Prior to the White House, Smith was a vice president at Google, leading new business development for nine years, and later serving as a vice president on the leadership team at Google[x]. Smith led Google's acquisitions of major platforms such as Google Earth, Google Maps, and Picasa, and also served as general manager of Google.org. Smith is a member of the MIT Corporation and the MIT Media Lab Visiting Committee, an advisor to the Malala Fund, which she cofounded, and a member of the National Academy of Engineering. She earned a BS and an SM in mechanical engineering from MIT.

Lily L. Tsai is an associate professor of political science and founder and faculty director of the MIT Governance Lab (MIT GOV/LAB). She examines issues of accountability, governance, and political participation in developing country contexts, particularly in Asia and East Africa. In 2014, she founded MIT GOV/LAB, a group of political scientists that works to develop and test innovations in citizen engagement and government responsiveness. By focusing on how and why citizens become active in engaging their governments, Tsai aims to bridge the research and practitioner communities by developing learning collaborations that can respond to governance challenges using empirical evidence in real time. In 2015, MIT's School of Humanities. Arts, and Social Sciences awarded Tsai the James A. and Ruth Levitan Prize. She earned a BA in English literature and international relations from Stanford University, an MA in political science from the University of California, Berkeley, and a PhD in government from Harvard University.

SPEAKER BIOGRAPHIES

John Urschel is an offensive lineman for the Baltimore Ravens in the National Football League (NFL) and is a PhD candidate in applied mathematics at MIT. His research interests include spectral graph theory, numerical linear algebra, and machine learning. He is the author and coauthor of several papers and has been published in the Journal of Computational Mathematics and Celestial Mechanics and Dynamical Astronomy. Prior to MIT, he taught integral vector calculus, trigonometry and analytic geometry, and econometrics at Penn State University, where he also served as a visiting scholar and research associate. In 2014. Urschel was selected by the Baltimore Ravens in the NFL draft. His honors include the William V. Campbell Trophy and the Kermit Anderson Award in Mathematics, and he was named an MIT Dean of Science Fellow. Urschel earned a BS and an MA in mathematics from Penn State University.

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At MIT, we pursue education, research, and innovation with a passion for serious impact. We have a record of transforming society for the better—and we are just getting started. As we look to the horizon, we see a future of important challenges and inspiring opportunities. With your help, we can build a better world.

MIT BETTER WORLD EVENTS

Throughout the MIT Campaign for a Better World, MIT is hosting community gatherings in cities across the globe.

New York City 10.20.16	London 01.13.17	Mexico City 03.23.17
San Francisco 11.02.16	Tel Aviv 01.22.17	Washington, DC 04.13.17
Hong Kong 12.14.16	Los Angeles 02.07.17	Boston 09.28.17

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