Meeting of the

President's Council of Advisors on Science and Technology (PCAST)

Invited Speaker Biographies

September 8, 2023 - Social Science Session

RAJ CHETTY

Raj Chetty is the William A. Ackman Professor of Economics at Harvard University and the Director of Opportunity Insights, which uses big data to study the science of economic opportunity: how we can give children from all backgrounds better chances of succeeding? Chetty's work has been widely cited in academia, media outlets, and policy discussions in the United States and beyond.

Chetty received his Ph.D. from Harvard University in 2003 and is one of the youngest tenured professors in Harvard's history. He has received numerous awards for his research, including a MacArthur "Genius" Fellowship, the John Bates Clark medal, given to the economist under 40 whose work is judged to have made the most significant contribution to the field, and Harvard's George Ledlie prize, awarded for research that made the most valuable contribution to science, or in any way for the benefit of mankind.

Some of Professor Chetty's recent papers include work on the determinants and consequences of admission to top private colleges using college admissions data linked to tax records, a real-time tracker of the impacts of the COVID-19 pandemic on inequality in the macroeconomy using transaction data from credit card and payroll processors, and an analysis of social capital and economic mobility using Facebook data.

KATY MILKMAN

Katy Milkman is the James G. Dinan Professor at The Wharton School of the University of Pennsylvania and holds a secondary appointment at Penn's Perelman School of Medicine. Her research explores ways that insights from economics and psychology can be harnessed to change consequential behaviors for good, such as savings, exercise, student achievement, vaccination, and discrimination. To that end, she co-founded and co-directs the Behavior Change for Good Initiative at the University of Pennsylvania.
In 2021 Katy was named one of the world's top 50 management thinkers and the world's top strategy thinker by Thinkers50. *The New York Times* also named her bestselling book *How to Change: The Science of Getting from Where You Are to Where You Want to Be* one of the eight best books for healthy living in 2021.

Katy is the former president of the Society for Judgment and Decision Making, a TEDx speaker, an APS Fellow, and the host of Charles Schwab's popular behavioral economics podcast, *Choiceology*. She has published dozens of research articles in leading academic journals such as *Nature* and the *Proceedings of the National Academy of Sciences*, and her findings are regularly covered by major media outlets. She has worked with or advised numerous organizations on behavior change, including The White House, Google, Walmart, Humana, the U.S. Department of Defense, 24 Hour Fitness, and the American Red Cross.

Katy frequently writes op-eds about topics related to behavioral science, and her writing has appeared in *The New York Times*, *The Washington Post*, *The Economist,* and *Scientific American*. She is a repeated recipient of excellence in teaching awards from Wharton's undergraduate and MBA divisions, and in one particularly proud moment was voted Wharton's "Iron Prof" by the school's MBA students for a PechaKucha-style presentation of her research.

Katy received her undergraduate degree from Princeton University (summa cum laude) in Operations Research and Financial Engineering and her Ph.D. from Harvard University's joint program in Computer Science and Business.

JOSH TUCKER

Joshua A. Tucker is Professor of Politics, an affiliated Professor of Russian and Slavic Studies, and an affiliated Professor of Data Science at New York University. He is the Director of NYU's Jordan Center for Advanced Study of Russia. He is one of the co-founders and co-Directors of the NYU Center for Social Media and Politics (CSMaP).

Through his work at the NYU Center for Social Media and Politics, Professor Tucker has most recently been at the forefront of efforts to explore the intersection of social media and politics, as well as developing methods for utilizing social media data to study politics in new ways. His research has included studies on the effects of network diversity on tolerance, partisan echo chambers, online hate speech, the effects of exposure to social media on political knowledge, online networks and protest, disinformation and fake news, how authoritarian regimes respond to online opposition, and Russian bots and trolls. He is the co-editor of the edited volume *Social Media and Democracy: The State of the Field*, and the co-Chair of the external academic research team on the U.S. 2020 Facebook & Instagram Election Study.

His work has appeared in in over two-dozen scholarly journals, including the *American Journal of Political Science,* the *American Political Science Review,* the *British Journal of Political Science, Comparative Politics, Comparative Political Studies, Electoral Studies,* the *Journal of Politics,* the *Journal of Experimental Political Science, Nature Human Behavior, Nature Communications, Political Analysis, Political Communication, Political Science and Research Methods, Political Psychology, Proceedings of the National Academy of Sciences, Psychological Science, Social Media and Society, Science, Science Advances* and the *Annual Review of Political Science.* In 2006, he was awarded the Emerging Scholar Award for the top scholar in the field of Elections, Public Opinion, and Voting Behavior within 10 years of the doctorate.

For over a decade, Professor Tucker served as a co-author and co-editor of *The Monkey Cage*, an award-winning political science and policy blog published at *The Washington Post*, sharing what political science research has to offer for our understanding of important political developments and policy debates.