



Kenneth A. Oye, Professor in Political Science and Data Systems and Society and Director, Program on Emerging Technologies, Massachusetts Institute of Technology

Kenneth Oye is a Professor in Political Science and Data Systems and Society at the Massachusetts Institute of Technology. He currently serves as Director of the Program on Emerging Technologies of the Center for International Studies, with research affiliations in the Synthetic Biology Center, the Center for Biomedical Innovation and the Internet Policy Research Initiative. He also chairs the DARPA-Broad Institute Foundry safety committee and co-chairs the iGEM Safety Committee. His research and teaching links the fields of technology policy and international relations.

His works in international relations includes Cooperation under Anarchy, Economic Discrimination and Political Exchange and four books on American foreign policy. He currently serves on the board of the Seminar XXI Program and as a member of the Council on Foreign Relations. He has served as a consultant on economic security and technology transfer issues to the US Trade Policy Coordinating Committee (Treasury-Commerce-EXIM), the Peterson Institute and UNIDO.

In the last decade, he has worked on adaptive regulation of rapidly changing technologies, with emphasis on synthetic biology and pharmaceuticals. His works in synthetic biology include: “Regulating Gene Drives” (Science 2014); “Regulate Home Brew Opiates” (Nature 2015); “iGEM as a Testbed for Proactive and Adaptive Risk Management,” ACS Synthetic Biology 2014) and “Shaping Ecological Risk Research for Synthetic Biology.” (Journal of Environmental Studies and Sciences, 2014). His works on biomedical innovation have appeared in Clinical Pharmacology and Therapeutics, with papers on adaptive licensing and enhanced data utilization and integration (2015). Professor Oye has served as an invited expert on technology policy for the UN BWC, WHO, NSABB, OSTP-PCAST, the National Academy, Defense Intelligence Board and EMA. Before joining the MIT faculty, he taught at Harvard University, the University of California, Princeton University and Swarthmore College as was a guest scholar at the Brookings Institution. He holds a BA in Economics and Political Science with Highest Honors from Swarthmore College and a Ph.D in Political Science with the Chase Dissertation Prize from Harvard University.

Dr. Oye has not testified before the Commission.