



## AMERICAN ACADEMY OF ARTS & SCIENCES

### BUILDING RESILIENT AND ETHICAL SUPPLY CHAINS FOR A POST-COVID WORLD PARTICIPANT BIOGRAPHIES

**Margaret Levi** (*cochair*) is the Sara Miller McCune Director of the Center for Advanced Study in the Behavioral Sciences (CASBS) at Stanford, Professor of Political Science, and Senior Fellow at the Woods Institute for the Environment, Stanford University. She is also Jere L. Bacharach Professor Emerita of International Studies in the Department of Political Science at the University of Washington. She is the winner of the 2019 Johan Skytte Prize. She became a fellow of the American Academy of Arts and Sciences in 2001, a John Simon Guggenheim Fellow in 2002, a member of the National Academy of Sciences in 2015, the Robert Dahl Fellow of the American Academy of Political and Social Science in 2017, and a member of the American Philosophical Society in 2018. She served as president of the American Political Science Association from 2004 to 2005. In 2014 she received the William H. Riker Prize in Political Science, in 2017 gave the Elinor Ostrom Memorial Lecture, and in 2018 received an honorary doctorate from Universidad Carlos III de Madrid. She was 2020 winner of the Falling Walls Foundation Prize for breakthrough of the year in social sciences and humanities for her work on an expanded and inclusive community of fate.

**Richard M. Locke** (*cochair*) is provost of Brown and Schreiber Family Professor of Political Science and Public and International Affairs. Prior to joining Brown in 2013 as the director of the Watson Institute for International and Public Affairs, he had been a member of the MIT faculty for 25 years, including serving as chair of the Political Science Department and deputy dean in the Sloan School of Management. Locke is an internationally respected scholar and authority on international labor relations and worker rights, comparative political economy, and corporate responsibility. He has published five books and numerous articles on economic development, labor relations, and corporate responsibility. His most recent work focuses on the impact of new technologies on the workplace and workforce of the future. A recipient of numerous honors and awards, Locke received the Inaugural Progress Medal for Scholarship and Leadership on Fairness and Well-being, which was awarded by the Society for Progress in September 2016 for his ongoing research on fair and safe working conditions in global supply chains. He is a member of the Council on Foreign Relations, the ILO-IFC Better Work Program Advisory Committee, and from 2013-2016, he served as chair of the Apple Academic Advisory Board, a group of independent academics who worked with Apple to improve labor conditions among the company's suppliers.

**Lisa Anderson** is Special Lecturer and James T. Shotwell Professor of International Relations Emerita at the Columbia University School of International and Public Affairs. Dr. Anderson served as President of the American University in Cairo from 2011-2016. Prior to her appointment as President, she was the University's provost, a position she assumed in 2008. She is Dean Emerita of the School of International and Public Affairs at Columbia, where she led the school from 1997-2007. She was on the faculty of Columbia since 1986; prior to her appointment as Dean, she served as Chair of the Political Science Department and Director of Columbia's Middle East Institute. She has also taught at Princeton and Harvard Universities. Dr. Anderson's scholarly research has included work on state formation in the Middle East and North Africa; on regime change and democratization in developing

countries; and on social science, academic research and public policy both in the United States and around the world. Among her books are *The State and Social Transformation in Tunisia and Libya, 1830-1980* (1986) and *Pursuing Truth, Exercising Power: Social Science and Public Policy in the Twenty-first Century* (2003); she has also published numerous scholarly articles. Dr. Anderson is a trustee of the Aga Khan University, Tufts University and the Hertie School of Governance in Berlin. She is a member emerita of the Board of Directors of Human Rights Watch, served as elected President of the Middle East Studies Association, and as Chair of the Board of the Social Science Research Council. A member of the American Academy of Arts and Sciences and the Council on Foreign Relations, she has received honorary degrees from Monmouth University and the American University in Paris.

**Benjamin Armstrong** is the Interim Executive Director and a Research Scientist at MIT's Industrial Performance Center. His research and teaching examine how workers, firms, and regions adapt to technological change. His current projects include a national plan for the U.S. manufacturing workforce in partnership with the Department of Defense, as well as a regional playbook developing lessons for struggling regional economies in the United States. In his work, Ben has collaborated with governments, non-profit organizations, and firms to understand how scholarship and education can be useful to practitioners and policymakers. Previously, he worked at Google Inc.

**John Brown**, a master integrator and instigator of productive friction, explores the whitespace between disciplines and builds bridges between disparate organizations and ideas. He was the Chief Scientist of Xerox Corporation and the director of its Palo Alto Research Center (PARC)—a position he held until June 2000. In his more than two decades at PARC, Brown transformed the organization into a truly multidisciplinary research center at the creative edge of applied technology and design, integrating social sciences and arts into the traditional physics and computer science research and expanding the role of corporate research to include topics such as the management of radical innovation, organizational learning, complex adaptive systems, and nano-technologies. He was a cofounder of the Institute for Research on Learning (IRL). His personal research interests include digital youth culture, digital media, and the application of technology to fundamentally rethink the nature of work and institutional architectures in order to enable deep learning across organizational boundaries – in brief, to design for emergence in a constantly changing world. He has received 11 honorary doctorate degrees in four fields (science, design, public policy, humane letters) and a Ph.D from the University of Michigan.

**Sophia Charan** is the Hellman Fellow for Science and Technology Policy. In this role, she works on Academy projects Challenges for International Scientific Partnerships and Accelerating Climate Action. Prior to joining the Academy, Sophia was a Ph.D. student at the California Institute of Technology (Caltech), where she studied air quality and the formation of particulate matter. During graduate school, she worked at the RAND Corporation and was involved with science policy on campus. Sophia also wrote about science for a few months at the Idaho Statesman, a local paper in Boise. She holds a Ph.D. from Caltech and a B.S. from Yale University in Chemical Engineering.

**R. Alta Charo** is professor emerita of law and bioethics at the University of Wisconsin, where she taught from 1989 to 2020, and now consults for biotechnology and pharmaceutical companies on both medical, agricultural and environmental uses of modern biology. In addition, she continues to work with governments and professional societies to develop guidelines to govern research and use of such things as reproductive technologies, vaccines, regenerative medicine and genetic therapies. She served in government as legal analyst for the former congressional Office of Technology Assessment, as a policy analyst for the US Agency for International Development, and as a senior policy advisor at the FDA. She also served as a member of President Clinton's National Bioethics Advisory Commission, and co-chaired seminal reports for the National Academies of Science, Engineering and Medicine on

ethical guidelines for embryonic stem cell research and on governance of human genome editing. Her work has been recognized by election to the National Academy of Medicine, the American Association for the Advancement of Science and the American Academy of Arts & Sciences. Charo holds an AB in biology from Harvard University, and a JD in law from Columbia University.

**Joshua Cohen** has been a member of the Apple University faculty since 2011. A political philosopher, he has published extensively on democracy, free expression, distributive justice, human rights, global justice, the relationship of justice and historical change, and the nature and experience of work. Cohen is also a Distinguished Senior Fellow at the School of Law, the Department of Philosophy, and the Department of Political Science at UC-Berkeley, where he leads the Kadish Center Workshop in Law, Philosophy, and Political Theory. He was previously the Marta Sutton Weeks Professor of Ethics in Society and professor of philosophy and of law at Stanford University (2006-2014), and the Leon and Anne Goldberg Professor of the Humanities and professor of philosophy and of political science at MIT (1977-2006). Cohen is author of *On Democracy*; *Associations and Democracy*; *Philosophy, Politics, Democracy*; *Rousseau: A Free Community of Equals*; and *The Arc of the Moral Universe and Other Essays*. He has been editor of *Boston Review* since 1991, and is coeditor of the Norton *Introduction to Philosophy*. He gave the 2007 Tanner Lectures at UC-Berkeley. Cohen was a member of the research advisory board for the MIT Work of the Future project, and wrote the project's Research Brief on "Good Jobs." He has also written on high worker turnover in electronics manufacturing in China, and on "deaths of despair" among auto workers in Michigan.

**Henry Corrigan-Gibbs** (he/him) is an assistant professor in MIT's Department of Electrical Engineering and Computer Science and is a principal investigator in MIT's Computer Science and Artificial Intelligence Laboratory (CSAIL). Henry builds computer systems that provide strong security and privacy properties using ideas from cryptography, computer security, and computer systems. Henry completed his PhD in the Applied Cryptography Group at Stanford, where he was advised by Dan Boneh. After that, he was a postdoc in Bryan Ford's research group at EPFL in Lausanne, Switzerland. For their research efforts, Henry and his collaborators have received an ACM Doctoral Dissertation Honorable Mention Award, three IACR Best Young Researcher Paper Awards (at Eurocrypt in 2020, the Theory of Cryptography Conference in 2019 and at Eurocrypt in 2018), the 2016 Caspar Bowden Award for Outstanding Research in Privacy Enhancing Technologies, and the 2015 IEEE Security and Privacy Distinguished Paper Award. Henry's work has been cited by IETF and NIST, and his Prio system for privacy-preserving telemetry data collection is used today in the Firefox web browser, Apple's iOS, and Google's Android operating system.

**Gebisa Ejeta** was born and raised in a small rural community in west-central Ethiopia. He completed his early education in his native country including a BS in Plant Sciences from Alemaya College in 1973. He attended graduate school at Purdue University earning his Masters (1976) and PhD (1978) in Plant Breeding & Genetics. In March 1979, Gebisa joined the International Crop Research Institute for the Semi-arid Tropics (ICRISAT) and conducted seminal sorghum research in Sudan for five years. In January 1984, Dr. Ejeta returned to Purdue University as an Assistant Professor in the Department of Agronomy. Since then, he has led a comprehensive educational and research program at Purdue with emphasis on African agricultural research and development. He currently holds the position of Distinguished Professor of Plant Breeding & Genetics and International Agriculture at Purdue University. Professor Ejeta has served on numerous science and program review panels, technical committees, and advisory boards of major research and development organizations including the international agricultural research centers (IARCs), the Rockefeller Foundation, the Food and Agricultural Organization (FAO) of the United Nations, and a number of national and regional organizations in Africa. He was a member of the team that launched the Alliance for Green Revolution in Africa, a joint effort of the Rockefeller and Gates Foundation. Dr. Ejeta has served the Consultative Group for International Agricultural Research (CGIAR), the largest publicly funded agricultural

research consortium in the world as member of its Science Council, and later as member of its Consortium Board. He was also a board member of Sasakawa Africa Program. Professor Ejeta has had the honor of serving at the highest level of science and policy advisory for several international development and U.S. government agencies, including as Special Advisor to the USAID Administrator Dr. Rajiv Shah, as Science Envoy of the U.S. State Department, and as a member of the UN Secretary General Ban Ki Moon's Scientific Advisory Board. He currently serves on the boards of the Global Crop Diversity Trust, the Chicago Council for Global Affairs' Global Food and Agriculture Program, the National Academy of Sciences Board on Agriculture and Natural Resources, the International Water Management Institute, and on the U.S. Board for International Food and Agricultural Development. A 2009 World Food Prize Laureate and recipient of a national medal of honor from the President of Ethiopia, Professor Ejeta is a Fellow of the American Association for the Advancement of Sciences, Fellow of the American Society of Agronomy, Fellow of the Crop Science Society of America, and Fellow of the African Academy of Sciences.

**Ezekiel J. Emanuel** is the Vice Provost for Global Initiatives, the Diane v.S. Levy and Robert M. Levy University Professor, and Co-Director of the Healthcare Transformation Institute at the University of Pennsylvania. He is also the Special Advisory to the Director General of the World Health Organization. He is on leave for 2019-2020 from being the Chair of the Department of Medical Ethics and Health Policy at the University of Pennsylvania. From January 2009 to January 2011, Dr. Emanuel served as a Special Advisor on Health Policy to the Director of the Office of Management and Budget and National Economic Council. Prior to that he was the founding chair of the Department of Bioethics at the National Institutes of Health from 1997 to August of 2011. Dr. Emanuel received his M.D. from Harvard Medical School and his Ph.D. in political philosophy from Harvard University. He has published over 300 articles mainly on health care reform, research ethics, and end of life care. He has also authored or edited 15 books. His most recent book, entitled *Which Country Has the World's Best Health Care?*, compares the health systems of eleven countries across different metrics. Dr. Emanuel is the most widely cited bioethicist in history. Dr. Emanuel also serves as a Venture Partner at Oak HC/FT in addition to serving as a contributor for the New York Times and CNN. He is a member of the National Academy of Medicine, Association of American Physicians, the American Academy of Arts and Sciences, the National Academy of Social Insurance, and the Royal College of Medicine. He turned down a Fulbright Fellowship. He is a 2018 recipient of the Dan David Prize in the category of Bioethics, an honor recognizing innovative and interdisciplinary research that cuts across traditional boundaries and paradigms.

**Mary E. Gallagher** is the Amy and Alan Lowenstein Professor of Democracy, Democratization, and Human Rights Professor at the University of Michigan where she is also the director of the Kenneth G. Lieberthal and Richard H. Rogel Center for Chinese Studies. Professor Gallagher received her Ph.D. in politics in 2001 from Princeton University and her B.A. from Smith College in 1991. She was a foreign student in China in 1989 at Nanjing University. She also taught at the Foreign Affairs College in Beijing from 1996-1997. She was a Fulbright Research Scholar from 2003 to 2004 at East China University of Politics and Law in Shanghai, China. In 2012-2013, she was a visiting professor at the Koguan School of Law at Shanghai Jiaotong University. Her most recent book is *Authoritarian Legality in China: Law, Workers and the State*, published by Cambridge University Press in 2017. She is also the author or editor of several other books, including *Contagious Capitalism: Globalization and the Politics of Labor in China* (Princeton 2005), *Chinese Justice: Civil Dispute Resolution in Contemporary China* (Cambridge 2011), *From Iron Rice Bowl to Informalization: Markets, Workers, and the State in a Changing China* (Cornell 2011), and *Contemporary Chinese Politics: New Sources, Methods, and Field Strategies* (Cambridge 2010).

**Sarita Gupta** is the Director of the Future of Work(ers) Program at the Ford Foundation. She leads the team that oversees Ford's efforts to actively shape a future of work that puts workers and their well-being at the center.

**Margaret Hamburg** is an internationally recognized leader in public health and medicine, who currently serves as chair of the Nuclear Threat Initiative | bio Advisory Group. She previously served as foreign secretary of the National Academy of Medicine and is a former Commissioner of the U.S. Food and Drug Administration (FDA), having served for almost six years. Before joining FDA, Hamburg was founding vice president and senior scientist at the Nuclear Threat Initiative. Previous government positions include Assistant Secretary for Planning and Evaluation, U.S. Department of Health and Human Services, Health Commissioner for New York City, and Assistant Director of the National Institute of Allergy and Infectious Diseases, National Institutes of Health. Hamburg recently stepped down from her position as Foreign Secretary of the National Academy of Medicine, the health arm of the National Academy of Sciences, Engineering and Medicine. In her former role, she served as senior advisor on international matters and was the liaison with other Academies of Medicine around the world. She is an elected member of the Council on Foreign Relations and the National Academy of Medicine. Hamburg currently sits on the boards of the Commonwealth Fund, the Simons Foundation, the Urban Institute, the Global Alliance for Vaccines and Immunization, the Parker Institute for Cancer Immunotherapy and the American Museum of Natural History. She is chair of the Joint Coordinating Group for the Coalition for Epidemic Preparedness and Innovation, and a member of the Harvard University Global Advisory Council, the Global Health Scientific Advisory Committee for the Gates Foundation, the Harvard Medical School Board of Fellows, and the World Dementia Council. Hamburg earned her B.A. from Harvard College, her M.D. from Harvard Medical School and completed her medical residency at Weill Cornell Medical Center. She is the recipient of multiple honorary degrees and numerous awards.

**Ashish K. Jha**, MD, MPH, is recognized globally as an expert on pandemic preparedness & response as well as on health policy research & practice. He has led groundbreaking research & is on the frontline of the COVID-19 response nationally & internationally

**Craig Kennedy** is Merck's Global Head of Transformation and Supply Chain Management. Craig has a proven track record of driving change, innovation and operations improvement across the global enterprise during his more than 25 years at the company. Craig is responsible for transformational efforts focused on bringing medicines closer to patients and creating a more connected and responsive supply chain. As part of this work, Craig leads major invention and technology initiatives, including the use of blockchain and drone technology, which aim to save and improve patients' lives. Craig joined Merck in 1996 and has led several areas throughout the manufacturing organization, including plant and regional operations management, direct manufacturing operations, change management functions, supply chain, capacity and inventory management. Previously, Craig was a technology consultant specializing in computer systems and operations improvement, supporting companies located around the world. Craig graduated from the University of Sydney, Australia with a degree in computer science and pure mathematics.

**Kay Lowden** is the Program Associate for the Science, Engineering, and Technology program area at the Academy. In this role she provides logistical, research, and programmatic support and plays a central coordinating role in the Academy's efforts surrounding its new Commission on Accelerating Climate Action. Prior to joining the Academy, Kay worked in physics education and laboratory operations at MIT. She holds a BA in Astronomy and Physics from Mount Holyoke College.

**Tania Munz** is the Chief Program Officer at the Academy. Tania oversees the programmatic activities of the Academy; leads the coordination and integration of projects and studies; and helps direct efforts

to magnify the impact and influence of the Academy's work. Tania came to the Academy from the National Humanities Center, where she was the Vice President for Scholarly Programs. Prior to her work at the NHC, she was Vice President for Research and Scholarship at the Linda Hall Library for Science, Technology and Engineering in Kansas City, a Research Scholar at the Max Planck Institute for the History of Science, and a postdoctoral fellow, lecturer, and adviser at Northwestern University. Tania holds a PhD in History of Science from Princeton University, an MA in History of Science and Technology from the University of Minnesota, and a BA in History of Science and Medicine from the University of Chicago. She has published widely on the history of biology, animal behavior studies, and science and film, and is the author of *The Dancing Bees: Karl von Frisch and the Discovery of the Honeybee Language*, published in 2016 by the University of Chicago Press and in 2018 (in German translation) with Czernin-Verlag.

**Rosamond (Roz) Naylor** is the William Wrigley Professor of Earth System Science, Professor (by courtesy) in Economics, and founding Director of the Center on Food Security and the Environment (FSE) at Stanford University. She received her PhD from Stanford University in applied economics, her MSc in economics from the London School of Economics, and her dual BA degrees in economics and environmental science from the University of Colorado. Her research focuses on policies and practices to improve global food security and protect the environment on land and at sea. She has been involved in many field-level research projects around the world with her students and has published widely on issues related to aquaculture, global food systems, and food policy. She currently co-chairs The Blue Food Assessment, an international initiative aimed at providing a comprehensive scientific evaluation of the sustainability, nutrition, equity, and justice dimensions of aquatic foods cultured and captured in freshwater and marine environments within the global food system. She is a Fellow of the Ecological Society of America, a Pew Marine Fellow, and a Leopold Leadership Fellow. She is the President of the Board of Directors for Aspen Global Change Institute, a member of the Scientific Advisory Committee for Oceana, and a member of the Forest Protection Advisory Panel for Cargill. At Stanford, Naylor teaches courses on the World Food Economy, Human Society and Environmental Change, and Food and Security.

**Allison Neale** has worked in global health, corporate social responsibility and human rights for more than two decades. As Vice President of Public Policy, Allison leads Henry Schein's public policy and public health engagement by partnering with governmental, intergovernmental and non-governmental organizations and industry groups. Allison co-directs Henry Schein's engagement as private sector lead of the Pandemic Supply Chain Network, a partnership founded in 2015 to strengthen the healthcare supply chain and includes the WHO, other intergovernmental organizations and 60 companies. Allison leads Henry Schein's engagement in private sector global health initiatives, including: Global Health Security Agenda Private Sector Roundtable (where she serves as Advocacy Chairwoman), CDC Corporate Roundtable, HHS Supply Chain Taskforce Steering Committee and engagements with the World Economic Forum. Allison serves as Chairwoman of the Gold Foundation Corporate Council and leads the company's engagement with the UN Global Humanitarian Action Executive Alliance. She co-founded the Alpha Omega-Henry Schein Cares Holocaust Survivor Oral Health Program, which has provided free care to 1,800 survivors in need. Allison received her Master's in Public Policy from the Harvard Kennedy School, where she was awarded the Pforzheimer Fellowship and met her husband Chris. They live in NYC with their two children, Kayla and Zachary.

**David W. Oxtoby** is President of the American Academy of Arts and Sciences. He is President Emeritus of Pomona College and he was a Visiting Scholar at the Harvard Graduate School of Education prior to becoming President of the American Academy. As the ninth president of Pomona College, serving from 2003–2017, he has been recognized as a leader in American higher education, at the forefront in advancing environmental sustainability, increasing college access, cultivating creativity, and pursuing academic excellence in the context of an interdisciplinary liberal arts

environment. Previously he served as Dean of the Division of Physical Sciences and the William Rainey Harper Distinguished Service Professor of Chemistry at the University of Chicago. Dr. Oxtoby has been the recipient of several fellowships, including from the Guggenheim and National Science foundations. He is a Fellow of the American Physical Society and the American Association for the Advancement of Science, and a member of the American Chemical Society. He was an Overseer of Harvard University from 2008–2014 and is a member of the Ojai Music Festival Board. A member of Phi Beta Kappa, Dr. Oxtoby received honorary degrees from Occidental College (2005), Lingnan University in Hong Kong (2009), and Miami Dade College (2019). He was elected a Fellow of the American Academy of Arts and Sciences in 2012.

**Manuel Pastor** is a Distinguished Professor of Sociology and American Studies & Ethnicity at the University of Southern California. He currently directs the Equity Research Institute at USC. Pastor holds an economics Ph.D. from the University of Massachusetts, Amherst, and is the inaugural holder of the Turpanjian Chair in Civil Society and Social Change at USC. His latest books, both out in 2021, are *South Central Dreams: Finding Home and Building Community in South L.A.* (co-authored with Pierrette Hondagneu-Sotelo) and *Solidarity Economics: Why Mutuality and Movements Matter* (co-authored with Chris Benner). Previous books include *State of Resistance: What California's Dizzying Descent and Remarkable Resurgence Means for America's Future* (New Press, 2018) and *Equity, Growth, and Community: What the Nation Can Learn from America's Metro Areas*, also co-authored with Chris Benner (UC Press 2015). Pastor has received fellowships from the Danforth, Guggenheim, and Kellogg foundations, and grants from the Irvine Foundation, the Rockefeller Foundation, the Ford Foundation, the National Science Foundation, the Hewlett Foundation, the MacArthur Foundation, the California Environmental Protection Agency, the W.T. Grant Foundation, The California Endowment, the California Air Resources Board, and many others.

An active participant in civic life, he previously served as a Public Member of the Strategic Growth Council in California, received the Liberty Hill Foundation's Wally Marks Changemaker of the Year award for social justice research partnerships in 2012, and received the Champion for Equity Award from the Advancement Project in 2017 for his work with community-based organizations fighting for social change.

**Islam Qasem** is the John E. Bryson Director of Science, Engineering, and Technology Programs and Program Director for Global Security and International Affairs at the Academy. In this role, Islam leads the Academy's robust portfolio of work in the areas of science and international security, including projects on the Public Face of Science, Challenges for International Scientific Partnerships, Rethinking the Humanitarian Health Response to Violent Conflict, Meeting the Challenges of the New Nuclear Age, and the emerging initiative on climate change. Islam has a background in engineering and social sciences and has held positions in various sectors, including engineering, academia, and a think tank. Before joining the Academy, he served as Head of the International Relations Department and Academic Director at Webster University in Leiden, The Netherlands, and as interim Academic Director at Webster in Geneva, Switzerland. Before that he was Assistant Professor at Leiden University and Strategic Analyst at The Hague Center for Strategic Studies (HCSS). He taught undergraduate and graduate courses in international relations, social science, and Middle East area studies. Islam started his career as an engineer and worked for Cirrus Logic, Inc. and Autodesk, Inc. He holds a PhD in Political Science/International Relations from Leiden University, The Netherlands, an M.Phil. in Political and Social Sciences from Pompeu Fabra University in Barcelona, Spain, an MA in International Affairs from Columbia University New York, and a B.S. in Computer Engineering from California State University in Fresno. He also completed an Executive Education program at Harvard Business School.

**Megan Ranney** is an emergency physician, researcher, and national advocate for innovative approaches to public health. She holds the Warren Alpert Endowed Professor of Emergency Medicine

at Alpert Medical School of Brown University and is Founding Director of the Brown-Lifespan Center for Digital Health. She is also the Associate Dean of Strategy & Innovation at the School of Public Health at Brown University. Dr. Ranney's research focus is on developing, testing, and disseminating digital health interventions to prevent violence and mental illness. She has had continuous external funding from federal and foundation grants for over a decade, with over 130 peer-reviewed publications. She serves multiple national leadership roles, including co-founder and Senior Strategic Advisor for AFFIRM at Aspen (<http://www.affirmresearch.org>), a non-profit committed to ending the gun violence epidemic through a non-partisan public health approach, and President of the Board of GetUsPPE.org, a start-up non-profit delivering donated personal protective equipment to those who need it most. She is a Fellow of the fifth class of the Aspen Institute's Health Innovators Fellowship Program and a member of the Aspen Global Leadership Network. She has received numerous awards for technology innovation, public health, and research, including Rhode Island "Woman of the Year" and the American College of Emergency Physicians' Policy Pioneer Award. She is also a frequent media commentator on outlets ranging from CNN to the Atlantic to the New York Times. She is active on Twitter @meganranney.

**Audrey Sacks** is a Senior Social Development Specialist in the Social Sustainability and Inclusion (SSI) Global Practice of the World Bank. Currently, she is managing a multi-donor trust fund on the sustainable production of cotton in Uzbekistan and research programs on human trafficking and forced displacement, as well as overseeing Community-Driven Development lending operations in Kyrgyz Republic and Tajikistan. Previously, she was based in the World Bank's Indonesia country office with the Social Development Program. She holds a Ph.D. in Sociology from University of Washington.

**Jennifer Smith** is the program coordinator for the Science, Engineering, and Technology program area at the Academy. Jen provides overall support for the Science, Engineering, and Technology team for all projects. Jen joined the Academy in 2019 and holds a BFA in photography from Massachusetts College of Art and Design.

**Edward S. Steinfeld** is Professor of Political Science, the Dean's Chair in China Studies, and the Howard Swearer Director of the Watson Institute for International and Public Affairs at Brown University. Steinfeld previously served as a faculty member in the MIT Sloan School of Management from 1996 to 2001, as well as in the MIT Department of Political Science from 2001 to 2013. Steinfeld received his PhD, MA, and BA in Political Science from Harvard University. Steinfeld's current research focuses on China's contemporary experience of technology innovation and industrial upgrading in the context of highly globalized production and R&D networks. His earlier work examined the social, political, and economic ramifications of the exposure of Chinese state-owned enterprises to market reforms. Steinfeld is the author of the books *Playing Our Game: Why China's Rise Doesn't Threaten the West* (Oxford, 2010) and *Forging Reform in China: The Fate of State-Owned Industry* (Cambridge, 1998).

**Heather Tansey** has more than 20 years of experience in the sustainability field and serves as Cargill's Vice President Environmental Sustainability. In this role, Heather is responsible for developing and executing Cargill's corporate strategies in climate, land use, regenerative agriculture, water and sustainable operations for Cargill globally. Before assuming her current role, Heather led Cargill's Protein and Animal Nutrition sustainability teams to develop and execute Cargill's Sustainable Animal Protein Strategy which addressed sustainability challenges and opportunities throughout the animal protein value chain and created signature programs like BeefUp Sustainability and SeaFurther Sustainability. Prior to Cargill, Heather spent 15 years at 3M leading various aspects of sustainability, including leading 3M's international sustainability & community giving, sustainability business development, and strategic initiatives to embed sustainability into innovation, ESG reporting, and key account engagement. Heather began her career at the U.S. Environmental Protection Agency where she



co-developed the EPA's Climate Leaders program. Heather has a degree in Biology from Lawrence University and a Master's in Environmental Management from Duke University.

**Sharon Waxman** is President and CEO at the Fair Labor Association. As President and CEO, Sharon Waxman leads an organization of global experts working to prevent and remediate labor rights violations in the apparel and agriculture sectors through the combined efforts of leading multinational corporations, public and private universities, and civil society organizations. Before the FLA, Sharon led the policy and advocacy division at the International Rescue Committee, a global refugee and humanitarian organization founded by Albert Einstein, where she was a Vice President. Sharon spent more than two decades in government, serving as deputy to the Undersecretary for Civilian Security, Democracy and Human Rights at the U.S. Department of State and as a senior national security adviser in the U.S. Senate. As a life member of the Council on Foreign Relations, Sharon is an active voice on foreign policy matters. She is a graduate of the Johns Hopkins University, School of Advanced International Studies and the University of California, Berkeley.

**Kathryn Wengel** is Executive Vice President & Chief Global Supply Chain Officer for Johnson & Johnson, and a member of the Company's Executive Committee. She has significant healthcare, operations and global business expertise – with more than three decades of experience in leadership positions with Johnson & Johnson. In her current role, Kathy is responsible for all aspects of the development and implementation of the global Supply Chain for Johnson & Johnson, as well as its Quality & Compliance, Procurement, Environmental Health & Safety, Sustainability and Engineering & Property Services functions. A strong developer of globally diverse teams, Kathy leads an organization across three business segments: Pharmaceuticals, Medical Devices and Consumer Health. Externally from Johnson & Johnson, Kathy serves as a member of the Board of Directors at LabCorp, a leading global life sciences company dedicated to using science to improve health and improve lives. She also serves as Chair of the Board of GS1 Global, a nonprofit that develops and maintains global supply chain standards. She is a member of both the Executive Committee and the Board of Directors of the National Association of Manufacturers in the U.S., and a member of the Board of Directors for the Manufacturing Institute. Kathy serves in several advisory capacities, including as member of the Executive Advisory Board for the Gartner Supply Chain practice, member of the Reagan Institute Task Force for National Security and U.S. Manufacturing Base Competitiveness and member of the Board of Advisors at AWESOME, a nonprofit working on the advancement of women in senior supply chain roles.