

RESEARCH ADVISORY GROUP

The Research Advisory Group was a team of experts in knowledge areas directly relevant to the Sandy-affected region. Members were identified by the Institute for Public Knowledge, in consultation with the Hurricane Sandy Rebuilding Task Force and Rebuild by Design partners based on their experience and qualifications. These individuals did not participate as part of a Design Team, but instead used their perspective to inform the planning and activities of the Rebuild by Design Research Phase, connecting teams with resources, community groups, and other opportunities to further their research efforts.



William Solecki

Hunter College

Department of Geography

Dr. Solecki's research focuses on urban environmental change and transition, and climate change and cities. He is Director of the CUNY Institute for Sustainable Cities and Professor of Geography at Hunter College-CUNY. He serves as co-chair of the New York City Panel on Climate Change; a lead author for the IPCC AR5, WGII Urban Areas chapter; convening lead author for U.S. National Climate Assessment Urban, Infrastructure, and Vulnerability chapter; and member of the scientific steering committee of IHDP, Urbanization and Global Environmental Change Core Project. He is a co-founder of the Urban Climate Change Research Network and co-editor of the recent Climate Change and Cities Assessment (ARC3) Report. He is co-editor of the journal Current Opinion in Environmental Sustainability, and editor of the Journal of Extreme Events.



Harvey Molotch

New York University

Sociology and Metropolitan Studies

Harvey Molotch is Professor of Sociology and Metropolitan Studies at New York University, where he conducts research on issues of city growth and urban security as well as on product design and development. He was a pioneer in the field of environmental sociology, particularly in regard to the ecological implications of urban form and city development. His books include *Where Stuff Comes From*, a study of product development and innovation processes, and *Against Security*, an analysis of design errors at airport checkpoints, subway systems, and flood protection in the New Orleans area. Prior to NYU, Molotch was Centennial Professor at the London School of Economics, Chair of Sociology and Professor at the University of California, Santa Barbara, and visiting professor at Northwestern University, University of Essex, Lund University, and SUNY Stony Brook.



Eric Klinenberg

New York University

IPK Director, Professor of Sociology

Eric Klinenberg is Professor of Sociology and Director of the Institute for Public Knowledge at New York University. He is also editor of the journal *Public Culture*, and an affiliated faculty member of the Wagner School of Public Service and the Department of Media, Culture, and Communications.

Klinenberg has been studying cities and climate change since the 1990s, when he conducted research for his first book, *Heat Wave: A Social Autopsy of Disaster in Chicago*. In 2013, he authored the influential article “Adaptation: Can Cities Be Climate-Proofed” in *The New Yorker*, and since Sandy he has organized a series of public events around Sandy, Climate Change, and the Future of New York City.



Mohammad Karamouz

New York University, Poly

Director of Environmental Engineering/Science Programs

Dr. Karamouz has been Director of Environmental Engineering/Science Programs in the Department of Civil and Urban Engineering at NYU-Poly since 2008. Prior to that, among his academic assignments, he was Dean of Engineering and a Professor in the School of Architecture at Pratt Institute. He is a Fellow of the American Society of Civil Engineers, a Diplomat of the American Academy of Water Resources Engineers, and a Professional Engineer in the State of New York. Dr. Karamouz received his Ph.D. in Hydraulics and Systems Engineering from Purdue University and his M.S. in Water & Environmental Engineering from George Washington University. Dr. Karamouz has been a consultant to the World Bank and UNESCO International Hydrology Program for the last 10 years, and is the recipient of the 2013 ASCE-EWRI Service to the Profession Award.

REBUILD BY DESIGN



Klaus Jacob

Columbia University Earth Institute

Lamont-Doherty Earth Observatory

Klaus H. Jacob is a Special Research Scientist at the Lamont-Doherty Earth Observatory of Columbia University, where after 33 years of research and teaching in the basic Earth Sciences he retired from a full-time position in 2001. As an Adjunct Professor at the School of International and Public Affairs at Columbia University, he is teaching Disaster Risk Management. Dr. Jacob's research includes the effects of global climate change and related sea-level rise on coastal storm surge frequency, flooding, and inundation, primarily of infrastructure systems in major coastal cities. This research was applied for instance to the New York Metropolitan East Coast Regional Assessment that examined the impacts of climate change and flooding scenarios on the New York transportation infrastructure and other built assets. He currently serves on a National Academies Committee on Climate Change and U.S. Transportation.

REBUILD BY DESIGN



Mindy Fullilove

Columbia University Medical Center

Professor of Clinical Psychiatry and Professor of Clinical Sociomedical Sciences; Co-Director, Community Research Group, NYSPI and Mailman SPH, Columbia University; Director of Organization, University of Orange, Orange, NJ

Mindy Thompson Fullilove, MD, is a research psychiatrist at New York State Psychiatric Institute and a professor of clinical psychiatry and public health at Columbia University. She was educated at Bryn Mawr College (AB, 1971) and Columbia University (MS, 1971; MD 1978). She is a board-certified psychiatrist, having received her training at New York Hospital-Westchester Division (1978– 1981) and Montefiore Hospital (1981-1982). She has conducted research on AIDS and other epidemics of poor communities, with a special interest in the relationship between the collapse of communities and decline in health. From her research, she has published *Root Shock: How Tearing Up City Neighborhoods Hurts America and What We Can Do About It*, and *The House of Joshua: Meditations on Family and Place*. Her current work focuses on the connection between urban function and mental health.



Gerald E. Frug

Harvard Law School

Louis D. Brandeis Professor

Educated at the University of California at Berkeley and Harvard Law School, Professor Frug worked as a Special Assistant to the Chairman of the Equal Employment Opportunity Commission in Washington, D.C., and as Health Services Administrator of the City of New York before he began teaching in 1974 at the University of Pennsylvania Law School. He joined the Harvard faculty in 1981. Professor Frug's specialty is local government law, a subject he has taught for more than twenty-five years. He has published dozens of articles on the topic and is the author, among other works, of a casebook on Local Government Law (with David Barron and Richard T. Ford), *City Bound: How States Stifle Urban Innovation* (with David Barron), and *City Making: Building Communities without Building Walls*.



Ingrid Gould Ellen

New York University, Wagner

Professor of Public Policy and Urban Planning

Ingrid Gould Ellen is Professor of Urban Planning and Public Policy at New York University's Wagner Graduate School of Public Service, and Co-Director of the Furman Center for Real Estate and Urban Policy. She joined the Wagner faculty in the fall of 1997 and presently teaches courses in microeconomics, urban economics, and housing and urban policy. Professor Ellen's research interests center on urban social and economic policy. She is the author of *Sharing America's Neighborhoods: The Prospects for Stable Racial Integration*, and has written widely on housing policy, neighborhood change, urban growth, and school and neighborhood segregation. Before coming to NYU, Professor Ellen held visiting positions at the Urban Institute and the Brookings Institution. She attended Harvard University, where she received a Bachelor's Degree in applied mathematics, an M.P.P., and a Ph.D. in public policy.



Thomas G. Dallessio

AICP/PP

New Jersey Institute of Technology
Resilient Design Project Manager

Tom leads NJIT's Center for Resilient Design. He was formerly Executive Director of Leadership New Jersey, Vice President and New Jersey Director at Regional Plan Association, Senior Policy Advisor to Governors Christine Todd Whitman and Donald DiFrancesco, and Area Planning Manager at the Office of State Planning. Tom is a licensed professional planner, member of the American Institute of Certified Planners, and adjunct professor at NJIT. A former Council President and three-term Councilman in Hopewell Borough, Tom served on the Planning Board, Economic Development Commission, and Public Library Board of Trustees.

Tom has a BA, MA, and MCRP from Rutgers University, and was a member of the Rutgers Board of Trustees. He is a member of the National Committee for America 2050.



Vishaan Chakrabarti

Columbia University's Graduate School of Architecture, Planning & Preservation Marc Holliday Associate Professor of Real Estate Development; Director of CURE, the Center for Urban Real Estate

While teaching at Columbia, Professor Chakrabarti is also a Partner at SHoP Architects, where he advances large-scale projects worldwide. Prior to joining Columbia and SHoP, Chakrabarti was an Executive Vice President at the Related Companies, where he ran the Moynihan Station project and oversaw planning and design for the firm's extensive development portfolio. From 2002 to 2005, Chakrabarti served as the Director of the Manhattan Office for the New York Department of City Planning. Chakrabarti holds a Master of Architecture from the University of California at Berkeley, a Master of City Planning from the Massachusetts Institute of Technology, and dual Bachelors' degrees in Art History and Engineering from Cornell University. He is the author of the recently published book, *A Country of Cities*.



Eugenie L. Birch

University of Pennsylvania

Lawrence C. Nussdorf Professor of Urban Research, School of Design; Co-Director, Penn Institute for Urban Research

Professor Birch has been active in the urban planning field's professional organizations and in academia in the United States and abroad. Most recently, she served as Chair, American Planning Association's Emerging Issues Task Force, and she is currently President, International Planning History Society and Associate Editor, Journal of the American Planning Association. Her most recent books are *Cities and Women's Health: Global Issues* (with Afaf Meleis and Susan Wachter), and *Global Urbanization* (with Susan Wachter). Professor Birch's civic commitments encompass leadership positions locally and globally. Currently, she is chair, Board of Trustees, Municipal Art Society of New York and co-chair, UN- HABITAT's World Urban Campaign. She is a former member of the New York City Planning Commission, and in 2002, she served on the jury to select the designers for the World Trade Center site.