

Heat Waves: Preparing for and Managing the Effects of Extreme Heat on Population Health, Emergency Housing, and Hospitals

AIA CES: 1.5 LU | 1.5 HSW

When: 6:00 PM - 8:00 PM Tuesday, April 26, 2016

Where: The Center for Architecture
536 LaGuardia Place, New York, NY 10012
(212) 683-0023

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What do architects, landscape architects, engineers, and health care planners need to know to help our region handle future unavoidable heat waves?

In an ongoing discussion about the long-term effects of extreme heat on New York, which has just experienced two of hottest years on record – the AIANY Design for Risk and Reconstruction and Health Facilities Committees and the New York Society for Health Planning (NYSHP) ask: Who has the information and answers we need?

This program will look at the planning and design of relief, recovery, and retrofitting in the face of uninterrupted heat waves. Keynote speaker Sabrina McCormick, a professor and videographer, will discuss the sociological and medical effects of extreme heat on population health. Other speakers will address redesign of cities, buildings, and open spaces; cooling centers and other disaster shelter in NYC; HVAC systems design for healthcare facilities; and related population health management.

The program coincides with the release of the print and online report of “Extreme Heat: Hot Cities” symposium, a day-long event last November led by DfRR that focused on mitigation and adaptation. Speakers from multiple city agencies (Health, Planning, and Emergency Management) as well as architects, planners, landscape architects, and materials and systems manufacturers tackled the issue.

“Extreme summer heat kills on average over 100 New Yorkers annually from heat stroke and the heat-related exacerbation of chronic health problems,” stated Dan Zarrilli, Senior Director for Climate Policy and Programs in the NYC Mayor’s Office. Hundreds more need hospital or emergency-room care for serious heat-related illness – numbers that quickly rise, especially for vulnerable residents without adequate cooling or care options. It is an issue that impacts power, water, telecommunications, and food access, ultimately affecting us all.

Greeting and Moderator: **Illya Azaroff, AIA**, Principal, +LAB Architects PLLC; Assoc. Professor, New York City College of Technology; *Founding Co-Chair*, AIANY DfRR

Presentation of “Extreme Heat: Hot Cities” Symposium Report: **Joan Capelin, Hon. AIA**, Fellow PRSA, *Principal*, Capelin Communications, Inc.; *Co-Chair*, AIANY DfRR

Speakers:

Sabrina McCormick, PhD, *Assoc. Professor*, Milken Institute School of Public Health, George Washington University; *Senior Fellow*, Wharton Risk and Decision Center, University of Pennsylvania

Cynthia Barton, *Housing and Recovery Program Manager*, Human Services Unit, NYC Emergency Management

Pippa Bashear, MLA, MUP, *Director of Planning and Resilience*, SCAPE / Landscape Architecture

Christopher McHugh, PE, *Senior Partner*, Atkinson Koven & Feinberg Consulting Engineers

Jeffrey Raven, FAIA, LEED AP BD+C, *Assoc. Professor and Director of the Graduate Program*, Urban and Regional Design, NYIT; *Principal*, RAVEN A + U

Paul Savage, MBA, BSIE, *Director, Healthcare Management, Senior Clinical Lecturer in Population Health Management*, Iona College

Organized by: AIANY Design for Risk and Reconstruction Committee, AIANY Health Facilities Committee, and New York Society for Health Planning (NYSHP)

About the Speakers

Sabrina McCormick, PhD, keynote speaker, is an Associate Professor at George Washington University's Milken Institute School of Public Health and is also a Senior Fellow at the Wharton Risk and Decision Center at the University of Pennsylvania. Sabrina is a sociologist and a film maker investigating climate mitigation and adaptation. She has directed and produced several award-winning films including "No Family History, A Good Egg" and segments of Showtime's "The Years of Living Dangerously", which won the Emmy for Best Documentary Series in 2014. Author of two books and 40+ articles and book chapters, McCormick has been a RWJ Health and Society Scholar at UPenn and a AAAS Science and Technology Policy Fellow at the US Environmental Protection Agency (EPA). She has advised the US Congress, the State Dept. and the White House on Climate Change and Health Issues. Sabrina has been a Co-PI on a Study funded by the CDC on "The Management of Extreme Heat in Four American Cities". She is also conducting an in-depth quality assessment of "Heat Related Mortality In the City of New York". She is also currently studying the West Nile Virus and the Zika Virus in Brazil, investigating threats of virus migration to New York and other cities. Her work has been featured on "NBC Nightly News", TIME Magazine and the Chicago Tribune.

Paul Savage, MBA, BSIE, is Program Director of Health Care Management and Senior Clinical Lecturer at Iona College, New Rochelle, NY. Based on 40+ years of experience in Health Care Management, Paul Savage teaches courses in Healthcare Industry Analysis, Management, Marketing, Healthcare Planning and Population Health. As Program Director, Mr. Savage is encouraging and supporting professional Medical Internships and Graduate and Graduate Residency training programs. Paul is also a long time VP and advisor in the New York Society for Healthcare Planning? In addition to his medical academic roles, Mr. Savage is President of "Health Care Intelligence" (HCI), LLC, a business intelligence and research firm, and Vice President of "health Care Advisory Services". His healthcare business career included responsible roles at Mt. Sinai, Columbia-Presbyterian and St. Vincent's Medical Centers in New York along with the Thomson Corp. for medical economics, Coopers & Lybrand Consulting and other healthcare business entities.

Christopher McHugh is a Professional Engineer and a Partner at AKF Group, LLC, Consulting Engineers. Chris's specialty is Mechanical Engineering Systems and has become knowledgeable in the effects of Climate Change on buildings in New York. He will discuss how Hospitals and other Critical Buildings can design new mechanical systems and other systems into hospitals to better resist future temperatures of 120 degrees in New York and mitigate potential electrical and water infrastructure shutdowns during long term deadly Heat Waves in New York