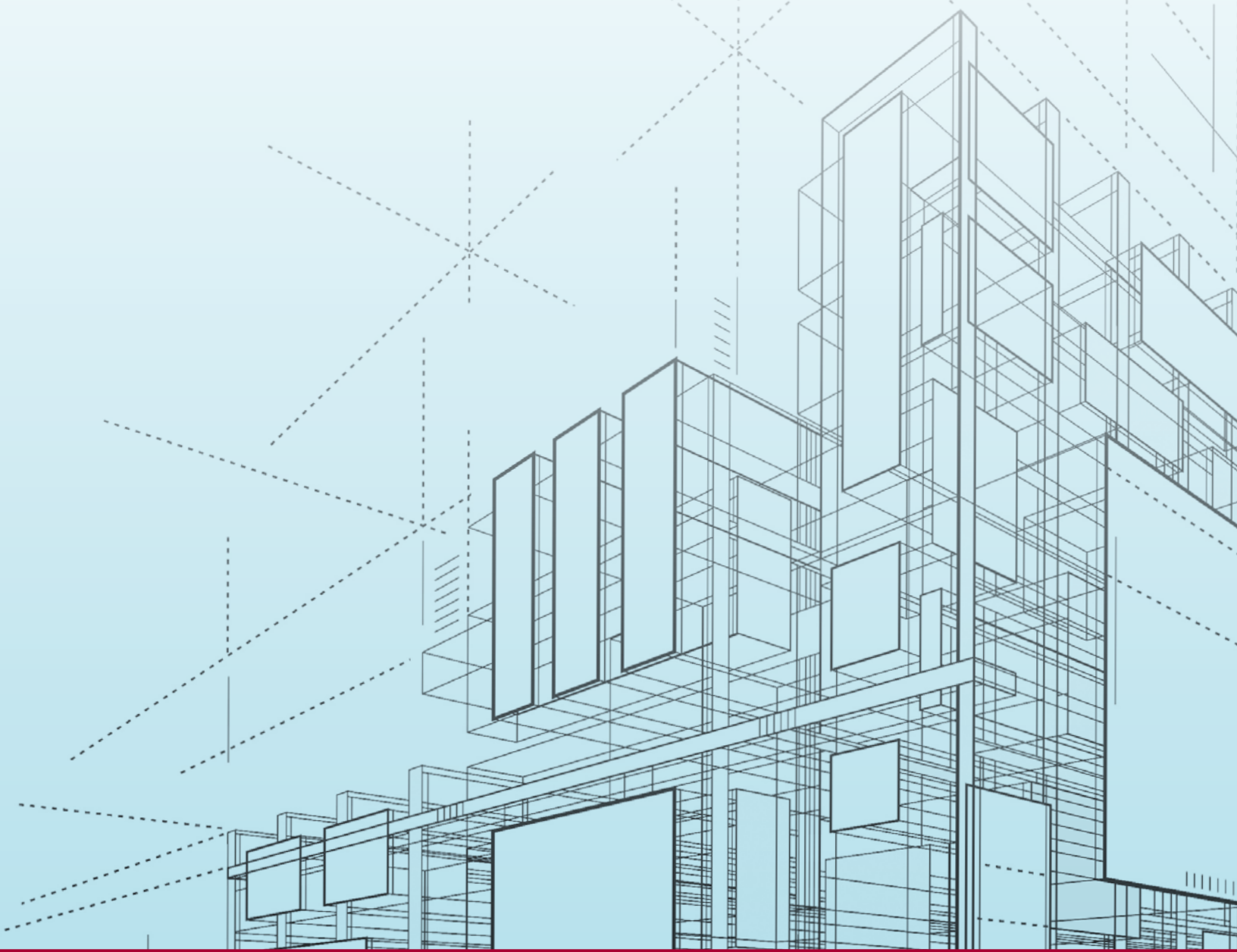


# DEVELOPING HEALTH-CENTERED COMMUNITIES: THE NEXT REVOLUTION IN REAL ESTATE

LEVERAGING DESIGN, TECHNOLOGY, AND REAL ESTATE TO SUPPORT WELL-BEING



**APRIL 13–17, 2020**

*Harvard Medical School (Boston, MA) | MIT Center for Real Estate (Cambridge, MA)*



PROFESSIONAL EDUCATION



## MESSAGE FROM THE CO-DIRECTORS

Demographic shifts, lifestyle trends, new medical research, and innovative healthcare technologies are all affecting how and where people choose to live and work. This presents a major opportunity for real estate developers, architects, and urban planners—as well as healthcare entrepreneurs and public health administrators—to make their mark on residential, commercial, and public space design in the coming decades.

**Developing Health-Centered Communities** is a new course offered by three respected organizations—Harvard Medical School Executive Education, MIT Center for Real Estate, and MIT Professional Education. It is our hope that this cross-disciplinary program will provide the specialized knowledge you need to take advantage of the emerging opportunities that exist at the intersection of healthcare and real estate.

By participating in this course, you will acquire insights that are unavailable anywhere else, and gain strategies and skills that have the power to reshape our world.

Best regards,

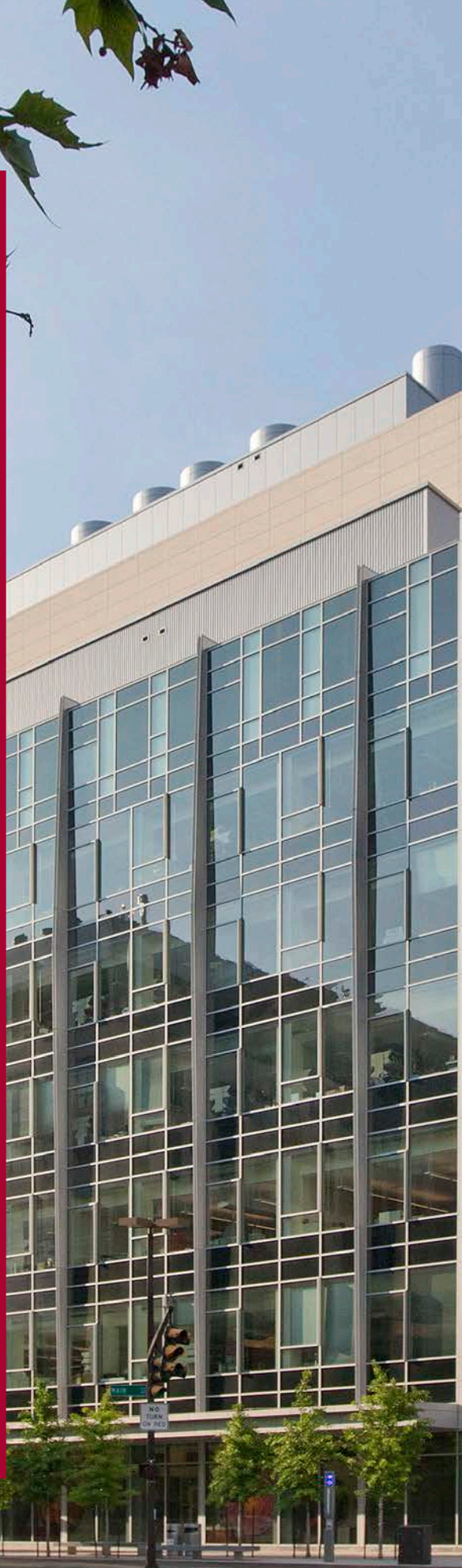


**Dennis Frenchman**  
Faculty Co-Director



**Stanley Y. Shaw**  
Faculty Co-Director

“ **Developing Health-Centered Communities** brings together respected leaders in real estate and healthcare arenas to help develop solutions to the world’s complex and evolving living, aging, and healthcare challenges.  
—Bhaskar Pant, Executive Director, MIT Professional Education ”



## THE PROGRAM

Join leading figures from medicine, public health, urban design, and architecture to address the greatest challenge—and opportunity—facing urban planning today: developing health-centered communities.

Focusing on trailblazing new concepts, strategies, and technologies, **Developing Health-Centered Communities** features interactive curriculum taught by renowned faculty from MIT and Harvard Medical School. Working closely with these experts, you will gain a strategic vision for how professionals in healthcare and in the built environment can work together to build projects that create value and develop communities that thrive.

Alongside accomplished peers from around the world, you will preview the future of urban development, forge cross-industry partnerships, and be a part of this growing and critical market.

## ABOUT THE SPONSORS

### MIT Professional Education

A leader in engineering and technology education, MIT Professional Education provides world-class learning opportunities for professionals who are looking to advance their careers, creatively address complex problems, and build a better future.

### Harvard Medical School Executive Education

HMS Executive Education engages business leaders whose work impacts healthcare and expose them to the real-world practice of medicine, cutting-edge trends in science, clinical workflows, and healthcare delivery.

### MIT Center for Real Estate

Founded in 1983, the MIT Center for Real Estate improves the quality of the built environment and promotes a more informed professional practice in the global real estate industry through a graduate degree program, research, and industry interaction.

# REGISTRATION INFORMATION

## LEARNING OBJECTIVES

Over the course of five days—on both the HMS and MIT campuses—you will explore key topics inherent to creating a vibrant, health-centered community. Learning from and alongside leading faculty and an elite group of professional peers, you will:

- Identify opportunities for creating value through real estate focused on healthy communities
- Apply program concepts to cases and models for healthy urban development
- Implement design principles of healthy neighborhoods and understand the epidemiology of built environments
- Model the economics of healthy communities from value proposition to ROI over time
- Measure community wellness through neighborhood health impact assessments and other metrics
- Develop responsive architecture designs that use technologies that support children, the elderly, and those with special needs
- Determine ways to address health inequities and disparities within communities
- Recognize circumstances where new models for healthcare delivery could contain costs
- Connect with a new network of accomplished, interdisciplinary peers from around the globe

## WHO SHOULD ATTEND

This course is designed for senior-level professionals across real estate, urban design, healthcare, and health technology. In particular, this program is well-suited for:

- Real estate developers and investors
- Architects and urban designers
- City planners and municipal government employees
- Health technology entrepreneurs
- Senior leaders from community health centers and hospitals
- Health insurance executives

## REGISTER ONLINE

To reserve your place, register online at [shortprograms.mit.edu/bhcc](https://shortprograms.mit.edu/bhcc).

## LEARN MORE

Have questions? Email [shortprograms@MIT.edu](mailto:shortprograms@MIT.edu) or call 1-617-253-2101.

# TEACHING TEAM



## Dennis Frenchman

Dennis Frenchman is Professor of Urban Design and Planning at MIT, Director of the Center for Real Estate in the School of Architecture and Planning, and Faculty Director of DesignX, MIT's program for accelerating innovation in design, cities, and the human environment. Frenchman has taught and practiced extensively in Asia, Europe, and South America and served as external advisor on urban livability to the president of the World Bank. He is an expert on the application of digital technology to city design and has designed large-scale, media-oriented cities and industrial clusters.



## Stanley Y. Shaw, MD, PhD

Stanley Y. Shaw, MD, PhD is a cardiologist, Associate Dean for Executive Education at Harvard Medical School, and Chief Scientific Officer for Brigham and Women's Hospital's One Brave Idea, an initiative dedicated to understanding and treating the earliest stages of coronary heart disease. His research focuses on how digital health, bioinformatics, the gut microbiome, and patient-reported data can be leveraged to better assess health and disease. Dr. Shaw co-founded the Center for Assessment Technology and Continuous Health at Massachusetts General Hospital and helped develop one of the first ResearchKit iPhone apps in partnership with Apple.



# PARTICIPATING FACULTY



## Joseph Allen

*Assistant Professor of Exposure Assessment Science, Harvard T.H. Chan School of Public Health Director, Healthy Buildings Program*

Joe Allen began his career conducting forensic health investigations of sick buildings across a diverse range of industries, including healthcare and biotechnology. At Harvard, Dr. Allen directs the Healthy Buildings program where he led the creation of 'The 9 Foundations of a Healthy Building.' He additionally helps Fortune 100 companies implement Healthy Building strategies in their global portfolios.

## Andrew Altman

*CEO, 5 Squares Development*

Andrew Altman is an internationally recognized leader in transforming cities, urban planning and the development of large-scale urban projects. He previously served as Chief Executive Officer of the London Olympic Park Legacy Company and Deputy Mayor for Economic Development and Planning for the City of Philadelphia.

## Mariana Arcaya

*Associate Professor of Urban Planning and Public Health, MIT*

Mariana Arcaya is a social epidemiologist and urban planner whose work explores dynamic relationships between geographic contexts, particularly neighborhoods, and health. Mariana conducts scholarly and policy-relevant research in two main areas: bi-directional relationships between place and health, and applied and translational research on the social determinants of health.

## Andrea Chegut

*Research Scientist, MIT Center for Real Estate; Co-Founder and Director, Real Estate Innovation Lab*

In addition to her roles with the MIT Center for Real Estate and Real Estate Innovation Lab, Andrea Chegut is Co-Founder and Head of Research for DesignX, an entrepreneurial accelerator for new student and faculty ventures from MIT's School of Architecture and Planning. She previously worked developing asset pricing models for commercial real estate, green buildings, and digital infrastructure.

## Joe Coughlin

*Director, MIT AgeLab*

Joe Coughlin teaches in MIT's Department of Urban Studies & Planning and the Sloan School's Advanced Management Program. A Senior Contributor to Forbes, he was appointed by President George W. Bush to the White House Advisory Committee on Aging and by Governor Charlie Baker to the Governor's Council on Aging in Massachusetts where he co-chaired the Innovation & Technology Subcommittee.

## Brent Forester

*Associate Professor of Psychiatry, Harvard Medical School*

Brent P. Forester, MD, MSc, is the chief of the Division of Geriatric Psychiatry at McLean Hospital and medical director for Behavioral Health and Evaluation & Research at Partners Population Health. He is currently President-Elect of the American Association for Geriatric Psychiatry and a distinguished fellow of the American Psychiatric Association.

## Beth Frates

*Assistant Professor of Physical Medicine and Rehabilitation, Harvard Medical School*

Beth Frates, MD, FACLM, DipABLM, is a physiatrist, health and wellness coach, and member of the Board of Directors of the American College of Lifestyle Medicine. Dr. Frates additionally serves as the Director of Wellness Programming at the Stroke Institute for Research and Recovery at Spaulding Rehabilitation Hospital and the faculty advisor for the Lifestyle Medicine Interest Group at Harvard Medical School.

## Wendy Garrett

*Professor of Immunology and Infectious Diseases, Harvard T.H. Chan School of Public Health*

In addition to her position at the School of Public Health, Wendy Garrett holds a Professorship in the Departments of Medicine at Harvard Medical School. Her research focuses on the interplay between the gastrointestinal immune system and the gut microbiota in health, inflammatory bowel disease, and colorectal cancer.

## Lynne Katzmann

*CEO/Founder, Juniper Communities*

Three decades after founding Juniper Communities, Lynne Katzmann has grown the organization to 24 properties in four states, more than 1550 employees, and \$85 million in revenues. She additionally serves as a board member of several organizations, including Senior Care Centers of Dallas and ElderCare Alliance of San Francisco.

## Phillomin Laptiste

*Executive Director, Bowdoin Street Health Center, Beth Israel Deaconess Medical Center; Executive Director, Board of Health, Boston Public Health Commission*

Phillomin Laptiste served as the manager of community health, operations manager, and associate director at Bowdoin Street Health Center before taking on the role of executive director. In her current position, she develops, implements, and evaluates health center programs in response to changing community and patient needs. She was appointed to the Board of Health in February 2019.

## Noelle Marcus

*CEO, Nesterly*

Noelle Marcus' career has focused on building equitable cities through civic technology, entrepreneurship, public policy, and economic development. Over the past decade she has worked within and for cities around the world, including Athens, Bogota, Boston, Detroit, Kampala, Kansas City, Oakland, Mexico City and New York.

## Mariana Matus

*CEO, Biobot Analytics*

Computational biologist Mariana Matus is passionate about leveraging big data and analytics to improve human health. Prior to founding Biobot Analytics, she specialized in the emerging field of wastewater epidemiology while completing her Ph.D. at MIT.

# PARTICIPATING FACULTY

## Wanda McClain

*Vice President of Community Health and Health Equity, Brigham and Women's Hospital*

Wanda McClain oversees the Center for Community Health and Health Equity at the Brigham, its two licensed community health centers, and its relationships with the nine affiliated health centers in Boston. Prior to joining the Brigham, she was the Director of Community Partnerships at Partners HealthCare. She has experience in community development and in the financial services industry.

## James O'Connell

*Assistant Professor of Medicine, Harvard Medical School  
Assistant Professor, General Internal Medicine, Boston University School of Medicine*

Dr. O'Connell is the president and founding physician of the Boston Healthcare for the Homeless Program, which serves over 12,000 homeless persons each year. Previously, he served as the National Program Director of the Homeless Families Program of the Robert Wood Johnson Foundation and the U.S. Department of Housing and Urban Development.

## Juan Palacios

*Post-doctoral Researcher, MIT Center for Real Estate*

Juan Palacios' research on environmental economics, real estate, and health economics has been presented at conferences around the world, including IndoorAir and the American Economic Association. He is currently studying the effect of indoor environmental conditions on educational outcomes, productivity, and health.

## Jim Peraino

*Co-founder and CTO, Spatio Metrics*

A licensed architect, software developer, and data scientist, Jim Peraino's work and research focus on more efficient ways to use artificial intelligence and applications to generate, access, and act upon evidence about how architecture influences our health. Previously, he worked on healthcare projects and impact evaluations with MASS Design Group in Boston, Rwanda, and Liberia. Jim has held academic positions at Northeastern University, Harvard Graduate School of Design, Roger Williams University, and the African Design Centre.

## Prem Ramaswami

*Head of Product, Sidewalk Labs*

Before joining Sidewalk Labs, Prem Ramaswami led efforts in Google Search Social Impact projects in the domains of Health, Civics, Education, Arts & Culture, Crisis Response, and Social Good. He additionally launched health information in the Knowledge Graph, Symptom Search, and founded the team that brought Deep Learning to patient care.

## Madhuri Reddy

*Instructor in Medicine, HMS*

Dr. Madhuri Reddy is a specialist in Internal Medicine and Geriatric Medicine, and holds appointments at Harvard Medical School and Hebrew SeniorLife in Boston, MA. She is co-founder and CMO of CareAcademy.com, and has published several research papers in prestigious medical journals, as well as a book for families/caregivers.

## Maggie Super Church

*Vice President of Market Innovation and Impact, Conservation Law Foundation*

For over 20 years, Maggie Super Church has served as a consultant and non-profit leader at the state and national level in urban planning, real estate and community development, and environmental protection. She is a member of the Robert Wood Johnson Foundation's County Health Rankings Scientific Advisory Committee and a Corporator and CRA Committee member at The Savings Bank.

## J. Phillip Thompson

*Deputy Mayor, New York City*

Phil Thompson is an urban planner and political scientist who previously served as Deputy General Manager of the New York Housing Authority and Director of the Mayor's Office of Housing Coordination. He is author of *Double Trouble: Black Mayors, Black Communities* and *the Struggle for Deep Democracy* and frequently advises trade unions in their efforts to work with immigrant and community groups.

## Coen van Oostrom

*CEO, The Edge*

As CEO of The Edge, Coen van Oostrom leverages decades of experience in the real estate and technology industry to develop and operate a new generation of buildings with a primary focus on the health of people and the planet. He is additionally the Founder and CEO of OVG Real Estate, a global leader in tech-enabled green building design.

## Kimberly Vermeer

*President, Urban Habitat Initiatives Inc.*

Kim Vermeer, LEED AP Homes, is an experienced sustainability practitioner, with a special focus in the multifamily affordable housing sector. Since founding her company, Urban Habitat Initiatives Inc., she has helped community development corporations and other affordable housing developers leverage programs and resources to achieve their goals for high performance housing.

