

Jeffrey Raven, FAIA, LEED AP BD+C

RAVEN Architecture + Urban Design LLC. (RAVEN A+U)

Director - Graduate Program in Urban + Regional Design / Assoc. Professor, New York Institute of Technology
Co-Chair AIANY Planning + Urban Design Committee, American Institute of Architects

Work Experience

- RAVEN Architecture + Urban Design LLC, Owner: 2010-present
- New York Institute of Technology (Manhattan), Director & Associate Professor, Graduate Program in Urban & Regional Design: 2012-present
- Columbia University, Adj. Asst. Professor, MS Architecture and Urban Design; 2010-2012
- Louis Berger Group, Director of Sustainability and Urban Design; Berger Group Holdings: 1996-2010
- Regional Plan Association, Downtown Brooklyn Development Project, Director, New York: 1994-95
- BFJ Planning, Buckhurst Fish Jacquemart / Hutton & Katz, Inc., Senior Planner, New York: 1993-94
- Bronx Center, South Bronx, Project Coordinator, New York: 1992-93
- Gérard Grandval, Architecte/Urbaniste, Paris, 1991
- Vollmer Associates, Engineers, Architects, New York, 1989-1990
- Farrell, Bell & Lennard, Architects, New York, 1987-1988

Education

- MSt, Interdisciplinary Design for the Built Environment, Cambridge University, England
- BArch, Architecture, Rhode Island School of Design
- B. Fine Arts, Rhode Island School of Design
- B.A., History, Trinity College, Hartford, CT.

Professional Certifications: Registered Architect: New York; New Jersey; LEED BD+C

Publications

- *Climate Change and Cities: COP21 Climate Summit for City Leaders*, Rosenzweig, C., W. Solecki (ed.); Jeffrey Raven (Coordinating Lead Author); *Urban Climate Change Network*, Earth Institute, Columbia University, New York, 2017.
- *Rapport de Soutenance du Jury : Thèse de Doctorat de Sciences de l'Information et de Communication de G. de Kerret ; Professeurs M. Regourd. A. Gryspeerdt, V. Brunetiere, J. Raven; Université Paris 8, 2016.*
- *Raven, J. Shaping Resilient Cities in China, India and the United States*, Gaborit, P. (ed.), *European and Asian Sustainable Towns*, PIE Peter Lang SA, Brussels, 2014.
- *Raven, Jeffrey. Cooling the Public Realm: Climate-Resilient Urban Design · Resilient Cities (2011) 1: 451-463, 2011. Cities and Adaptation to Climate Change - Proceedings of the Global Forum 2010, Series: Local Sustainability, Vol. 1, Otto-Zimmermann, Konrad (Ed.), 2011, XLIV, 576 p.*
- *Raven, J. Cooling the Public Realm: Climate-Resilient Urban Design*, Hebbert, M., Jankovic.V, Webb, B. (ed.), *City Weathers*, Manchester Architecture Research Centre, University of Manchester; ISBN: 978-1-907120-98-5; 2011 Manchester Architecture Research Centre (MARC), 2011.<http://www.sed.manchester.ac.uk/research/marc>
- *STAR Community Rating System 1.0: Sustainability Tools for Assessing and Rating Communities*, STAR Communities, Washington DC, 2012.

RAVEN Architecture + Urban Design LLC. (RAVEN A+U)

- **Project EAST- Euro-Asia Sustainable Towns**, three-year sustainable development research-action program in collaboration with cities in China / India / European Union
- **Kolkata (Calcutta) Sustainable Satellite Towns**, Calcutta Metropolitan Area, Dept. International Development (UK) / Government of West Bengal. Urban design prototypes for urban growth areas
- **Climate Change and Cities**, a research-action project on climate-resilient urban design, Urban Climate Research Network, Earth Institute / Columbia University
- **Constanza Urban Plan**, Romania, Co-Director. A strategic planning and capacity-building project for the ancient city of Constanza, now Romania's principal port on the Black Sea. Sponsored by the City of Constanza, Open Society Foundations and The Institute for Local Development and Public Services.

- **Bronx Center, South Bronx; Project Coordinator**, a strategic, collaborative, community-based plan for a 300-block district; awarded Best Practice prototype by UN Habitat, USA.
- **Humboldt Foundation/CIPSEM-UNEP**, expert for Environmental Urban Design Programme through the Technische Universität, Dresden, Germany
- **STAR Communities**, Technical Advisor to develop a national sustainability and resilience rating system, now adopted by twenty American cities
- **Cambridge Programme for Sustainability Leadership**, eco-city workshops, Cambridge University, England
- **Blueprint for Sustainable and Resilient Infrastructure**, ICSI / National Science Foundation, Shenzhen China
- **Climate Positive Development Program**, Carbon-neutral revitalization of London's Royal Albert Basin
- **Southampton Township**, Transport corridor Redesign, Hampton Bays, New York
- **Shanghai Institute SISS**, Sustainable Urban Design Workshop, Shanghai, China
- **Xiamen University**, Sustainable Urban Design Workshop, Xiamen, China
- **UNDP Europe and the CIS**, Sustainable Urban Design Workshop, Bratislava Regional Centre, Slovakia
- **Asian Development Bank Livable and Sustainable Cities**, Urban Design Workshop, Manila, Philippines
- **SUEZ Environment**, Performance indicators for green and blue infrastructure in US cities

Louis Berger Group, Director - Sustainability + Urban Design; Berger Group Holdings
Urban Design + Planning

- **MASDAR Carbon-Neutral City, Abu Dhabi, UAE, Sustainable Design Advisor**
 Sustainability advisor to Masdar, an urban development powered by renewable energy; for a new landmark 1 million sf., mixed-use "positive energy" headquarters building and site that produces more energy than it consumes; developed and led sustainability workshop, and contributed to planning and design metrics from building to city-wide scale
- **St. Louis County Energy Efficiency and Conservation Block Grant Strategy, Project Director**
 In partnership with ICLEI-Local Governments for Sustainability and HOK, providing technical support to the County of St. Louis, MO. to create their Energy Efficiency and Conservation Strategy (EECS) required by the US Department of Energy to receive Energy Efficiency and Conservation Block Grant funding (EECBG). Tasks include crafting a Long-Term Sustainability Framework by integrating current strategies with new energy efficiency methods and concepts; analyzing the Transportation, Waste Management, and Economic Development goals for the County and providing methods to establish the impact of sustainable projects or initiatives. *USGBC- St. Louis Governance award*
- **Physical Development Plan for the State of Qatar (Arabian Gulf), Director - Capital City Plan**
 Comprehensive long-range planning framework through the Geographic Information System (GIS) for the physical development of the State of Qatar, the Capital Region, and the Capital City. Includes economic development, transportation, land use policies, development standards, design guidelines and urban design
- **Montclair Redevelopment Plan, New Jersey.** Public/private strategies to foster long-term, sustainable economic development for district-wide "Areas in Need of Redevelopment", and design solutions to improve the quality of the built environment and public realm. Once adopted, the plan becomes a legislative ordinance. Urban design responsibilities include directing the multi-disciplinary planning and design process, public outreach, and 3-D visualization
- **Thanh Hoa City Master Plan, Northern Vietnam.** A collaborative project through the local Planning Institute to produce a comprehensive master plan for the provincial capital's development to 500,000 people. The focus is to provide a new long-term, sustainable framework for the city to attain the goals of a Type 1 City—a designation based on quality of life indicators, demographics and economic criteria. One of the first comprehensive metropolitan plans for a Vietnamese city by foreign consultants, this prototype plan will be used in collaboration with the UN Habitat and the Asia Development Bank to launch a national network of metropolitan plans for other large cities in Vietnam
- **Port Redevelopment Plan, Belford (Middletown), New Jersey.** Smart Growth grant for revitalizing one of mid-Atlantic's few active, small-vessel fishing ports located along the coast of Sandy Hook / Raritan Bay. A key terminal for NYC rapid regional commuter ferry service, the strategic plan includes urban design, infrastructure, architecture and economic strategies, for sustainable viability of the fishing industry and stronger linkages to the surrounding community. *NJPO Achievement Planning Award*

- **Best Practices and Prototypes for Development within Fragile Watershed Areas, Lower Raritan River Watershed Management Redevelopment Study, NJ Water Supply Authority.** Prepared “best practice” sustainable design prototypes balancing high-priority economic development and environmentally sensitive watershed areas-- and provide a model for future watershed protection and economic growth opportunities in the Raritan watershed and throughout the state of New Jersey

Architecture

- **LEED-Accredited Adaptive Re-Use of Historic Building for Health Center, LEED Administrator;** for all phases of design and construction, energy model coordination, materials research, management and submittals to USGBC for LEED certification. Richmond Health Center, a complete interior and exterior adaptive re-use of a historic building to state-of-the-art laboratories, clinics and medical offices-- registered with USGBC for LEED Rating. Green strategies include sustainable site, energy and water efficiency, green materials and indoor environmental quality
- **Freedom Ring, Pampanga, The Philippines.** A fast-track design/build project, the Centennial Exposition Park at the former Clark U.S. Air Force base in the Philippines commemorates the 100th anniversary of Philippine independence from Spanish rule. The “Ring” site is 300 meters in diameter, comprising a 35,000-person amphitheater and stage house covered by a massive tent, and other support structures. *Awarded the NYACE Gold Prize*
- **World Trade Center Memorial & Redevelopment Plan, Lower Manhattan Development Corporation (LMDC), Sustainability Consulting Services.** Sustainability Consulting services to LMDC to evaluate Sustainable Design Guidelines and LEED Guidelines for new buildings and site development
- **Military Installation, Ft. Meade, MD.** LEED Services for new Defense Information Systems Agency (DISA) facility, a 1 million sf, \$345 million facility for 4,200 employees in Fort Meade, MD.
- **Military Installation, Picattiny Arsenal, NJ.** LEED feasibility analysis for a new building at the military research facility
- **Detention Center, Queens, NY.** High-Performance Design and LEED Tracking for NYC Department of Corrections project: 800-bed addition at the Rikers Island detention center on Rikers Island
- **Queens Museum of Art, Queens, NY.** LEED Advisory Services for the Queens Museum of Art project: Expansion of the historic facility, including galleries, offices and support space. In collaboration with sub-consultants Grimshaw Architects and Buro Happold Consulting Engineers
- **United States Embassies Site Planning, Worldwide.** The upgrade of physical and technical security systems at Posts throughout the world, reconciling the protection of embassy occupants with contextual design and maintaining an image of openness.

Transportation

- **Green Airport Terminal Building, Newark Liberty International Airport, Sustainability Advisor** Sustainability and LEED Advisor to Port Authority of New York and New Jersey on the sustainable design of a landmark, 1.3 million sf. airport terminal building, and surrounding site
- **Intermodal Transit Hubs, Seoul, Korea.** Research and development project to develop guidelines and prototypes for Seoul’s Intermodal Transit Hubs with the goal of revitalizing urban centers and reducing automobile impacts within the Seoul metropolitan area. Invited as speaker to present to an international conference in Seoul, sponsored by the Korea Transport Institute
- **Transit Hub Environmental Impact Statement, Lower Manhattan.** Assessment of the district’s defining urban design characteristics and visual resources, integrated into the Fulton Street Transit Station Environmental Impact Statement, for the New York City Transit Authority, the Metropolitan Transportation Authority and the Federal Transit Administration
- **Bangkok International Airport, Thailand.** New state-of-the-art terminal and flight piers added to an existing airport complex, to strengthen the airport’s role as an economic engine and national gateway, increase capacity to meet demands for future air/passenger volume and accommodate larger aircraft
- **Military Ocean Terminal: Intermodal Transportation & Mixed Use Development, NY/NJ.** The transfer and reuse of a former 450-acre military base in New York Harbor for world-class container port, regional park, light rail links and mixed-use development.

Regional Plan Association

- **Downtown Brooklyn Development Project, Director, New York.** An integral part of the Centers Campaign of the Third Regional Plan for the NY Metropolitan Area, the comprehensive master plan for Downtown Brooklyn— a CBD and transportation hub with a quarter million workers and visitors— combined an analysis of Downtown’s economic and institutional assets with economic, infrastructure, transportation, urban design and planning recommendations

Buckhurst Fish Jacquemart / Hutton & Katz, Inc., New York

- **Housing Plan in the South Bronx** (Morrisania Air Rights Houses), Senior Planner.
- **Commercial District Plan in Brooklyn** (Washington Avenue Commercial Area), Senior Planner

Gérard Grandval, Architecte/Urbaniste, Paris

- **La Place de l’Europe/Pont des Batignolles:** Proposal covering railroad tracks with housing, offices, parks and parking structures, in a historic district next to the St. Lazare Railroad Station, Paris 8e

Languages: English + French (native levels)

Countries: Worked or resided in Vietnam, India, China, Thailand, Korea, The Philippines, Sudan, Abu Dhabi (UAE), Qatar, Iran, Lebanon, France, United Kingdom, Germany and throughout the United States

Workshops / Lectures

Design Solutions for Climate Change in Urban Areas; University of Napoli Federico II, lecturer and panelist focusing on joint ARC3.2 research with European research institutes, including CNRS, (France); Italy, 2016.

A Critical Climate Change Debrief: COP21, Paris at the NYC Center for Architecture; speaker and panelist, 2016.

Urban Transitions in the Face of Climate Change: COP21-labelled event; Pavillon de l’Arsenal, Paris, 2015.

The Assessment Report for Climate Change in Cities, International Conference on Urban Climate (ICUC9) at a COP21-labelled event in Toulouse, France, 2015.

Cooling the Public Realm: Climate-Resilient Urban Design, AIANY - Center for Architecture, NYC, 2015.

National Science Foundation- Carbon Footprint Metric in collaboration with the AIA, Focus group for a Building Information Modeling (BIM)-integrated Carbon Footprint Metric (CFM) tool, 2014.

National Science Foundation - Urban Climate Institute (UCI): Expert to the NSF Research Coordination Network project, to research the science of urban climate change and develop strategies tailored to the scale and unique context of cities, Atlanta, 2014.

Humboldt Foundation/CIPSEM-UNEP, Environmental Urban Design Course, Technische Universität, Dresden, Germany, 2011-13.

The Challenges of Mumbai as a Mega-City, European Union-Bombay First, Mumbai, 2013.

Shanghai Institute SISS, Climate-Resilient Urban Design, Shanghai, 2013.

Project EAST- Euro-Asia Sustainable Towns, Qingpu, Shanghai, 2013.

Sustainable Urban Design Workshop, Xiamen University, China, 2013.

Sustainability, Livability & Governance of a Metropolis; New Urban Vision (Mumbai), Columbia University, 2013.

The Atlantic Roundtable-Rockefeller Foundation: Healthy Cities, New York, 2013.

Sustainable Futures for Global Cities and Suburbs, Hofstra University, 2013.

Cambridge University, The Prince of Wales’ Business & Sustainability Programme, 2012.

Cambridge University, Cambridge Programme for Sustainability Leadership, UK, 2012.

UN Habitat + Consortium for Sustainable Urbanization, *Sustainable Urbanism*, United Nations, NYC, 2012.

UNDP Europe and the CIS, *Sustainable Urbanism*, Bratislava Regional Centre, Slovakia, 2012.

Shaping a New Capital City to Fit Indian Life, Juror: European Union-Les Ateliers-Project EAST, India, 2012.

China International Urbanization Forum, National Development & Reform Commission, Shanghai, 2012.

Building Livable Cities: The Urban Vision Symposium, lecturer and panelist, Mumbai, India, 2012.

International Conference on Urban Climate (ICUC), international forum for urban climatologists, Ireland, 2012.

Symposium on Planning Healthy, Sustainable Communities, Rutgers University, New Jersey, 2012.

Global Forum on Urbanization + Health, *Interview* and presentation at Kobe, Japan, *UN Habitat/WHO*, 2011.

City Weathers Workshop, Manchester Architecture Research Centre, UK, 2011.

The World Bank, *Planning Resilient Communities*, Washington DC, 2011.

Regional Plan Association Regional Assembly: Building a Green Infrastructure, New York, 2010.
Transportation Research Board, *Integrated Planning & Sustainable Transportation*, Washington DC, 2010.
Asian Development Bank, *ADB Urban Day Conference, Energy Efficiency and Cities*, 2010.
Resilient Cities, 1st World Congress on Cities and Climate Change Adaptation, Bonn, Germany, 2010.
Peer Reviewer: High Performance Infrastructure Guidelines (NYCDDC), *Greenbuild* (USGBC)
Cornell University, Dept. of City + Regional Planning. *Toward an Ecological City in Northern Vietnam*
New York University, Wagner Graduate School, *Spotlight on Abu Dhabi: Challenges and Opportunities in an Emerging Global City*
New York University, Wagner Graduate School, *Integrated Strategies and the Ecological City*, 2010.
University of North Carolina, Charlotte – Professional accredited course: *The Ecological City*
National Association of Environmental Professionals, Phoenix, AZ, *The Ecological City*
Coastal Marine Resource Center, *Sustainable Design and Development: Planning Implications*
Strategic Planning Workshop, Constanza, Romania: Curriculum development and capacity-building
New Jersey Institute of Technology, Infrastructure Planning Program Roundtable
Regional Plan Association, Downtown Visioning Charrette, Bergen County, NJ.

Research / Reports

- Spector, C. and Raven, J. **Climate Change in the Northeast: A Sourcebook**, Prepared for the US National Climate Assessment, 2013.
- **STAR Community Rating System 1.0: Sustainability Tools for Assessing and Rating Communities**, 2012 (J. Raven, Technical Advisor).
- **Unlocking the Value of Green Districts**, Steering Committee, McKinsey & Co., 2012.
- **Benchmarking Resilience**, Resilience Design Institute, New York, 2013.
- **US Environmental Protection Agency (EPA)**, Global Change Research Program for Urban Resilience, Steering Committee, 2012.
- **Green Module Design for New Urban Spaces, Calcutta, India; 2011.**
- **Climate Positive Development Program**, Clinton Climate Initiative; to develop zero-carbon urban districts, 2010.
- **Global Sustainable Urbanization Development Indicators**; Working Group, US Office Housing & Urban Dev (HUD), 2010-2011.
- **Growing Green**, St. Louis County, MO., 2010. *USGBC-St. Louis, Governance Award*
- **Belford Port Redevelopment Plan**, Smart Growth Grant, NJ, 2009. *NJPO Achievement Planning Award*
- **Masdar Sustainability Gateway Report**, Masdar Carbon-Neutral Development, Abu Dhabi, 2008.
- **Thanh Hoa City by 2020 Plan: Thanh Hoa Provincial Capital, Vietnam, 2008.**
- **Montclair Redevelopment Plan**, NJ, 2008.
- **US Green Building Council**, Working Group: Climate Resilience & Adaptation; Regional Council for LEED ND and LEED 2009.
- **Physical Development Plan for the State of Qatar**, Ministry of Municipal Affairs & Agriculture, 1998.
- **Downtown Brooklyn: A Plan for Continued Progress**, Regional Plan Association, 1995.
- **Downtown Brooklyn, A Region at Risk: The Third Regional Plan for the NY Metropolitan Area**, RPA, 1996.
- **Urban Climate Change Research Network**: Assessment Report on Climate Change and Cities (in progress)
- **Visualizing Climate Change**, Sheppard, S. Climate-Resilient Urban Design (Raven-LBG), Routledge, 2012.
- **Green Cities, Asian Development Bank**; Lindfield, M. and Steinberg, F. (ed.) 2012.
- **Royal Town Planning Institute**, RTPi News, *Major Urban Climatology Project*, United Kingdom, 2012.