

Jeffrey Raven, FAIA, LEED AP BD+C

Associate Professor, [Graduate Program in Urban + Regional Design](#)
New York Institute of Technology - Manhattan
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Summary

Jeffrey Raven specializes in sustainable and resilient urban design. His research is applied in professional practice and disseminated through the design profession, government and allied disciplines. He works to expand the agency of design by embedding climate science in design practice. Examples include a recent urban design climate plan in Durban, South Africa; the Masdar carbon-neutral development in Abu Dhabi; eco-town prototypes in the Kolkata region, India; eco-planning a provincial capital in Vietnam; smart growth planning in the New York region; LEED building design in NYC; and the RPA Downtown Brooklyn Plan. He also worked in China, Thailand, Korea, The Philippines, Sudan, Qatar, France and throughout the United States. Jeffrey contributes to developing sustainable-resilient guidelines and metrics, including STAR Communities, the Global EcoDistrict Protocol, and McKinsey's Green Districts.

After serving as adjunct faculty in the Columbia University Master of Urban Design program, Jeffrey was appointed as Director of the Graduate Program in Urban and Regional Design and Associate Professor at the New York Institute of Technology (NYIT) from 2012-2020. Tenured at NYIT since 2017, he continues to shape the urban design program to engage the fluid, interdisciplinary and global 21st century urban design profession. His lectures and workshops include Massachusetts Institute of Technology (MIT), Cambridge University (England), the Humboldt Foundation (Germany), Le Monde CITIES (Paris), the Pavillon de l' Arsenal (Paris), Columbia University, Cornell University, Tongji University (Shanghai), Chinese University of Hong Kong, Mumbai First (India), Asian Development Bank (Manila), Eco-Technological Innovation (Morocco), Intergovernmental Panel on Climate Change (IPCC), United Nations (UNEP, Habitat, UNDP) and the Center for Architecture (NYC).

His publications include coordinating lead author of [Urban Planning & Urban Design - Climate Change and Cities](#) (Cambridge University Press 2018); [Embedding Climate Change in Urban Planning and Urban Design in New York City](#) (Springer 2021), [La Revue Urbanisme](#) (France), [Urban Design & Climate Change](#), (Urban Design Journal-London 2019), [Climate Resilient Urban Design](#), Resilient Cities (Springer 2011); and [Shaping Resilient Cities in China, India and the United States](#) (P. Lang 2014). National Science Foundation grants include US-EU *Sustainable Urbanisation Global Initiative-Belmont* and *City-As-Lab RCN*.

Jeffrey was elevated to the College of Fellows, American Institute of Architects (FAIA), is awarded to architects who have made a significant contribution to architecture and society and who have achieved a standard of excellence in the profession". He served as Co-Chair of the AIA New York Chapter [Planning & Urban Design Committee](#) (2016-2022) where he introduced a knowledge-sharing "urban design salon" connecting design practitioners to aspirational visions for the city including prototyping NYC net-zero carbon districts through the lens of the food-energy-water nexus.

Jeffrey Raven trained as an architect at the Rhode Island School of Design (RISD), where he earned a Bachelor of Fine Arts and B. Architecture (Professional Degree). Prior to RISD, he earned a BA in History from Trinity College in Hartford. He later earned a graduate degree in Interdisciplinary Design for the Built Environment, a joint-degree in Architecture and Engineering at Cambridge University (Wolfson College), England.

Education

MSt, Interdisciplinary Design for the Built Environment (IDBE), Cambridge University, England, 2010
BArch, Architecture (Professional Degree), Rhode Island School of Design, 1987
BFA (Fine Arts), Rhode Island School of Design, 1986
B.A. (History), Trinity College, Hartford, CT., 1984

Academic Experience

New York Institute of Technology, Associate Professor / Director, Graduate Program in Urban and Regional Design, Sept 2012-current.

Columbia University, Adj. Asst. Professor, Master of Science in Architecture + Urban Design, 2009-2011.

Cooper Union Continuing Education / The New York Times Knowledge Network; an accredited certificate program in Green Building Design. The course became web-based via the global New York Times platform.

Grants - Externally Funded Research: National Science Foundation Grants totaling \$1.32 million *INFEWS/T3 RCN: City-as-Lab* Supplemental Grant. *A Research Coordination Network for the Study of the Food, Energy, and Water Nexus for Sustainable and Resilient Urban Development.* Prof. Raven leads the \$150K 3-year project as subject matter expert with NYIT students focusing on sustainable and resilient urban design. (2021-2024).

City-as-Lab INFEWS/T3 RCN: \$747K; Co-PI for 5 Years. A Research Coordination Network for the Study of the Food, Energy, and Water Nexus for Sustainable and Resilient Urban Development. Lead researcher to working group on visioning, engaging stakeholder, engaging NYIT graduate students on field testing and validating the proposed model and framework. National Science Foundation (2019-present).

The Sustainable Urbanisation Global Initiative (SUGI-Belmont-InSource): \$375K; Co-PI for 3 Years. Prof. Raven leads the InSource (a European-American urban research consortium) Case Study in NYC in collaboration with local experts from the Urban Land Institute, the American Institute of Architects New York Chapter (AIANY) and NYIT graduate students; in coordination with key community stakeholder groups on Net-Zero Carbon and resilient district in NYC. The InSource consortium is developing a 3-D data modeling tool to enhance sustainability of the food/energy/water (FEW) nexus in urban environments. National Science Foundation (2018-present).

National Workshop on Architectural Faculty in Environmental Sustainability Research (WAFES): \$50K; Co-PI, WAFES investigator/session leader. The intent is to engage Architectural researchers who are pursuing, environmental sustainability research related to the built environment; to build architecture faculty capacity to successfully pursue NSF proposals. As session leader/investigator, Prof. Raven invited two urban design faculty experts from NYIT SoAD to build research capacity. National Science Foundation (2019-2020).

Publications

Raven J., Braneon C., Rosenzweig C. (2021) *Embedding Climate Change in Urban Planning and Urban Design in New York City*. In: Ren C., McGregor G. (eds) *Urban Climate Science for Planning Healthy Cities*. Biometeorology, vol 5. Springer, Cham. https://doi.org/10.1007/978-3-030-87598-5_3

Raven, J. [*Strategies for Urban Sustainability*](#), (2021) Stream05 – New Intelligences, Paris, ISBN: 978-2-9575780-0-9.

Raven, J., *Urban Design Climate Workshops* (2021) In *Climate and Policy*, [*Encyclopedia of Climate Change*](#), Volume 3, World Scientific Publishing Co. Inc, Jan Dash (Ed.), ISBN 9789811209321.

Pietzsch, Ursula and Bao, Keyu and Padsala, Rushikesh and Gebetsroither-Geringer, Ernst and Smetschka, Barbara and Raven, Jeffrey and Coors, Volker (2021) *Stakeholder-supported Research on the Food-Water-Energy Nexus with three International Case Studies*. CITIES 20.50 – Creating Habitats for the 3rd Millennium: Smart – Sustainable – Climate Neutral. Proceedings of REAL CORP 2021, 26th International Conference on Urban Development, Regional Planning and Information Society. pp. 1225-1231. ISSN 2521-3938.

Raven, J., interview in Antonini, E.; Gaspari, J.; Visconti, C. *Collaborative Learning Experiences in a Changing Environment: Innovative Educational Approaches in Architecture*. Sustainability 2021, 13, 8895. <https://doi.org/10.3390/su13168895>.

Raven, J., *Case Study - Integrating Climate Adaptation and Climate Mitigation* (2020). In Christian Braneon, Cynthia Rosenzweig, Elena Crete, Leila Fanaeian, Serpil Guran, Mital Hall, Charles Kutscher, Kathryn McConnell, David Randle, Jeffrey Raven, Melissa Tier, *States and Cities for Climate Action*. In Jeffrey Sachs (lead author), *Zero Carbon Action Plan: Integrating Mitigation & Adaptation*. Sustainable Development Solutions Network (SDSN), New York, 122 p.

Raven, J., Braneon, C., and Esposito, M. (2020) [*Urban Design Climate Workshop: Gowanus, Brooklyn*](#). Washington, DC: Urban Land Institute.

Raven, J. (2020) [*La Revue Urbanisme, Ville chaude - quartiers cool : À la recherche des îlots de fraîcheur*](#), Edition #417, Paris, France.

Raven, J. (2020) *Les villes doivent s'inspirer de la climatologie urbaine pour répondre à la crise sanitaire (cities must take inspiration from urban climatology to respond to the health crisis)*, [*Le Monde*](#), Paris, ISSN: 19506260.

Raven, J. et al. (2020) [*A Green Public Works Program for NYC*](#). In Laird Gallagher, Safiyah Edwards, Cameron Haas, Jonathan Bowles (eds.), Center for an Urban Future, New York.

Atmosphere, Architectural Journal – [*Forward*](#), SoAD NYIT, Volume 03, 2019-2020.

Raven, J. (2019) *From Climate Science to Practice*, [*Urban Design & Climate Change*](#), Urban Design Journal, Urban Design Group, London, ISSN: 1750 712X.

Leone, M., Raven, J., Tersigni, E., [*Climate-Resilient Design and Urban Regeneration*](#), poster, European Geosciences Union (EGU), 2019.

Raven, J., Stone, B., Mills, G., Towers, J., Katzschner, L., Leone, M., Gaborit, P., Georgescu, M., and Hariri, M. (2018). [*Urban planning and urban design*](#). In C. Rosenzweig, W. Solecki, P. Romero-Lankao, S. Mehrotra, S. Dhakal, and S. Ali Ibrahim (eds.), *Climate Change and Cities: Second Assessment Report of the Urban Climate Change Research Network*. Cambridge University Press.

Raven, J., Leone, M. (2018). *Shaping Climate Resilient Cities through Innovative, Multi-Scale and Adaptive-Mitigation Design Methods*, *TECHNE-Journal of Technology for Architecture and Environment*.

Hamdi, R., Tapper, N., Raven, J., Cleugh, H., Di Lullo, G. *Urban Climate Information to Support Decision Making: From Local to Global* (2018) International Conference on Climate Change and Cities, United Nations Human Settlements Programme (UN-Habitat) Nairobi, Kenya.

Raven, J. (2017). *To Curb Climate Change, Cities Need the Right Design*, Forbes Media LLC.

Raven, J., Klein-Rosenthal, J. (2017). *Urban Heat and Urban Design: An Opportunity to Transform in NYC*. The Sallan Foundation, Inc.

Raven, J. (2016) *Climate Resilient Planning and Urban Design*: Sintesi dei risultati del report UCCRN-ARC3-2 / Climate Resilient Urban Planning and Design: UCCRN-ARC3-2 findings. In D'Ambrosio, V. Leone, M.F. (eds.) *Progettazione ambientale per l'adattamento al Climate Change. Modelli innovativi per la produzione di conoscenza / Environmental Design for Climate Change adaptation. Innovative models for the production of knowledge*, Clean, Napoli, ISBN:9788884976079.

Raven, J. ARC3.2 Findings; *Toward Developing a Blueprint for Sustainable and Resilient Infrastructure*; US National Science Foundation; International Conference on Sustainable Infrastructure; Shenzhen, China, 2016.

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. *Embedding Climate Change in Urban Planning and Design* (2015). In C. Rosenzweig, W. Solecki, P. Romero-Lankao, S. Mehrotra, S. Dhakal, and S. Ali Ibrahim (eds.) ARC3.2, [Summary for City Leaders: Climate Change and Cities](#), Urban Climate Change Research Network, Columbia University.

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) Springer 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 served as Technical Advisor for three years to develop a national sustainability and resilience rating system, now being adopted by twenty American cities. For the publication *STAR Community Rating System 1.0: Sustainability Tools for Assessing or Rating Communities* (2013), Raven was co-leader of the Green Infrastructure goal, and contributed to Climate Resilience/Adaptation; Comprehensive Planning; Transportation/Mobility; Compact/Complete Communities and Natural Systems, 2008-2013.

Raven, J. *Belfast Plan for the Gasworks Site; Scope: A Review of Northern Ireland*, 1987.

Workshops, Presented Papers, Lectures

[Interview](#), *Strategies for Urban Sustainability*, Stream05 – New Intelligences, Paris, 2022.

Chair Group in [Architectural Pedagogy and Research for the French Ministry of Culture](#), member of the scientific committee, developing innovative cross-sectoral approaches to the built environment to confront the challenges of climate change. “Habitabilité sur terre : Que peut l'architecture ? - Conversation vulnérabilités” <https://vimeo.com/678770082>, 2022.

Urban Design Climate Workshop: Ten Years of Experiences & Methodologies, [Climate-Resilient Urban Design \(CRUD\)](#) project, UCCRN_edu/ERASMUS+ program of the European Union & National Science Foundation RCN grant, Paris, 2022.

Bringing Science in Action: An Educational Alliance for Climate Resilient Design, Planning and Governance of Cities. US-European research consortium workshop at the New York Institute of Technology: National Science Foundation RCN grant & UCCRN_edu/ERASMUS+ program of the European Union, New York, 2022.

Bringing Science in Action: An Educational Alliance for Climate Resilient Design, Planning and Governance of Cities. Centre International des Conférences, Sorbonne Université, panelist. UCCRN_edu/ERASMUS+ program of the European Union & National Science Foundation RCN grant, Paris, 2022.

Scaling Up Research Networks and Educational Alliances for Urban Systems and Climate, panelist, Università di Napoli Federico II, Dipartimento di Architettura (DiARC), UCCRN_edu/ERASMUS+ program of the European Union & National Science Foundation RCN grant, Naples, Italy, 2022.

Écoles d'art américaines de Fontainebleau - [Beaux-Arts / Architecture](#), lecture, France, 2022.

[Researchers Panel on Community Engagement](#), National Science Foundation RCN, NYC panelist, 2022.

[Net Zero Neighborhoods – Gowanus, Brooklyn Project](#), Project Lead. INSOURCE Belmont Forum: Sustainable Urbanization Global Initiative (SUGI), National Science Foundation Grant No. 1830718. Collaboration with the American Institute of Architects, as co-Chair of Planning & Urban Design Committee. [LinkedIn](#), 2019-2022.

[Interview](#) on *CTV News Channel-Canada*; Design and planning strategies recommended for NYC to confront the challenge of climate change (9/2/21). <https://www.ctvnews.ca/video?clipId=2271814>

Climate Resilient Urban Design: [Graduate lecture series](#), Université Gustave Eiffel, Paris, France, 2021.

[Evaluating Urban Issues of Climate Change](#), Barnard College – Columbia University, New York, 2021. *City of the Future: Zero carbon buildings and quarters - Case studies from Montreal, Hamburg and New York*, MTL Connecte, Panelist, sponsored by Consulate of Germany, Montreal, Canada, 2021.

[Reinventing World Cities – Post-Covid Cities](#); Global cities emerging from the pandemic while implementing social goals and 21st-century zero-carbon policies, Center for Architecture, NYC, 2021.

National Academies of Sciences, Engineering, and Medicine: [Transportation Research Board](#). Panelist for Metropolitan Planning Organization forum on resiliency in transportation, 2021.

City-as-Lab Research Coordination Network [seminar moderator for the National Science Foundation](#)-funded initiative aiming to explore the nexus of urban food, energy, and water systems, 2021.

Food, Energy, and Water (FEW) Nexus in a City in Times of Climate Change, Building Sustainable Communities, [New York Tech Energy Conference](#), 2021.

MIT - Massachusetts Institute of Technology; Lecture and panel, Urban Planning & Urban Design - Climate Change and Cities, MIT DUSP: MIT School of Architecture + Planning, 2020.

Urban Manifesto [interview](#), co-hosted by Lucy Bullivant (London), place strategist, author & founder of *Urbanista.org* and Prathima Manohar (Mumbai), founder of think-do-tank *The Urban Vision*, 2020.

[Urbanism of the Southern China Metropolis](#): NYIT – Tsinghua University Symposium, panelist, 2020.

[Leveraging Our Strengths: An Open Call for Science, Advocacy, and Design](#), Climate Justice Panel by the American Institute of Architects, panel moderator, 2020.

[Dialogue: Heat in the City](#), Global Heat Health Information Network, lecture and panel moderated by Laurie Goering (Thomson Reuters). Panelists included C40 Manager of Cool Cities; Dep. Director NYC Mayor's Office of Resiliency, leading Hong Kong developer, 2020.

Featured in [AIA Blueprint for Better](#), a national [campaign](#) by the American Institute of Architects to bring to life the role of architects as leaders in the fight against climate change, 2020.

Workshop on [Governing Climate Resilience Cities](#), hosted by University of Pisa, Italy. Directed the *Planning and Building* workshop comprising NYIT MSAURD graduate students, experts from NASA Goddard Institute (Columbia University), researchers/students from universities of Pisa, Naples and Dublin, 2020.

[MTL Connect - City of the Future](#), Montreal, Canada; keynote presentation, 2020.

[Archtober: Challenges in Future Cities](#), hosted by the Consul General of Sweden in NY and Exec. Director of the van Alen Institute. Panel from Rwanda, Kenya, UK, Canada, Sweden and the US, 2020.

Anhui Jianzhu University, China: Sustainable and Resilient Urban Design; Lecture and Workshop: *Sustainable & Resilient Urban Design*; expert delegation sponsored by the Chinese State Administration of Foreign Experts Affairs, New York, 2020.

Cool District Hot City, University of Miami School of Architecture, graduate lecture, 2020.

Tongji University, Shanghai: Designing for Net-Zero (2019); Lecture to graduate faculty and students, College of Architecture and Urban Planning, China.

Shenzhen University School of Architecture: Sustainable and Resilient Urban Design (2019); Lecture to undergraduate and graduate faculty and students, China.

First International Urban Forum on City of Challenges: Eco-Technological Innovation, Laayoune, Western Sahara, Morocco (2019). Lecturer and panelist on bridging climate science, policy and design practice. The Moroccan Phosboucraa Foundation organized this international event held at the Palais des Congrès in Laayoune. Panel moderated by Michael Berkowitz, former President of 100 Resilient Cities at the Rockefeller Foundation.

Interview: *Nature Podcast*, [Nature Research](#), *Modeling hot cities: Cities are generally hotter than their surroundings, but what are the causes of these 'heat islands'?* Springer Nature, 4 Sept 2019.

Le Monde CITIES, lecture and Member of the Awards Selection Committee, Paris, 2019. NYIT urban design studio project for Gowanus, Brooklyn was presented through the lens of integrating climate

adaptation and climate mitigation. J. Raven presented the *Innovative Cities Urbanism award* to *Parques del Rio*, an organization working to transform the waterfront of Medellin, Colombia.

Chinese University of Hong Kong (2019). Lecture and design charrette on sustainable and resilient cities titled, “Integrating Climate Science and Urban Design”, with participation by Hong Kong University and The Secretary for the Environment of Hong Kong.

Urban Design Climate Workshop for Durban, South Africa (2019). Sessions engaged representatives from Durban to integrate and scale up mitigation and adaptation principles by reducing energy consumption in the built environment, strengthening urban climate resiliency, and enhancing human comfort and quality of life. Sponsored by the German government *Deutsche Gesellschaft fuer Internationale Zusammenarbeit (GIZ) GmbH* and the Government of Durban.

Global Practices and Policy on Urban Risk, Resilience, and Crises (2019); Lecture, Columbia University GSAPP.

Jiangsu Provincial Department of Natural Resources (2019), Lecture and Workshop: *Sustainable & Resilient Urban Design*; expert delegation sponsored by the *Chinese State Administration of Foreign Experts Affairs*, New York.

2019 Summit for New York City, Municipal Art Society of New York, [Cool District Hot City](#), lecture.

Archtober: Responsive Cities (2018), Panelist with experts from ETH Zurich, sponsored by the Consulate General of Switzerland, Parsons-New School.

AIA2018 - Project New York: Collaborative Mapping Platform (2018), Panelist with Sr. Policy Advisor - NYC Mayor’s Office of Recovery and Resilience and Exec. Director, NYC Public Design Commission.

Shaping Climate Resilient Cities through Innovative, Multi-Scale and Adaptive-Mitigation Design Methods (2018); Speaker, IAUC International Climate Conference, CUNY.

New York City Urban Design Climate Workshop (2018) at NYIT; Program Lead. The UDCW drew from a cross-disciplinary team of global urban climate experts and leading New York City Urban Design practitioners to shape evidence-based, climate-driven intervention tools and strategies for district-scale sites, focusing on Sunnyside Yard, Queens. The workshop evaluated projected 2050 Baseline (business-as-usual) and 2050 Best Practices (climate-driven urban design); configured and led by NYIT Graduate Students. Collaborators included Urban Climate Change Research Network; [International Association for Urban Climate](#); Columbia University GISS-NASA Goddard Institute for Space Studies; HOK Urban Design Group.

Urban Infrastructures: Food, Energy and Water for Sustainable and Resilient Cities – National Science Foundation (2018); Speaker and steering committee member. Developed a Research Coordination Network (RCN) to be managed by a team of investigators from three New York City institutions (NYIT, CUNY, NYU), in collaboration with NYC agencies and partnership with leading researchers from academic institutions across North America and Europe.

Intergovernmental Panel on Climate Change (IPCC), The Cities IPCC Cities and Climate Change Science Conference (2018), Speaker and Convener, Urban Climate Information to Support Decision Making: From Local to Global, Edmonton, Canada.

Shandong Provincial Government Urban Planning (2018), Lecture and Workshop: *Climate Change and Cities*; expert delegation sponsored by the *Chinese State Administration of Foreign Experts Affairs*, New York.

Gowanus Technical Advisory Panel, Urban Land Institute New York (2018)

As member of the Urban Land Institute Technical Advisory Panel comprising leading design, planning, financial, infrastructure and sustainability experts, to configure a sustainable and resilient Gowanus district in Brooklyn, NY. I invited my graduate students to join the team, providing them the hands-on experience of working on high-profile professional design-planning charrettes with intensive community input, 2017.

International Climate Summit, Agadir, Morocco (2017). Lecturer and Workshop leader. Joined by a panel of European and American experts. NYIT graduate student presented innovative research completed by graduate team.

Urban Transition in Face of Climate Change, Université Pierre et Marie Curie, Paris, 2017. Co-led international workshop: Integrating Mitigation and Adaptation in Urban Planning, Urban Design and Architecture. Joined by leadership from the French national and Paris city government to evaluate innovative strategies for a carbon-neutral Paris. Sponsored by UCCRN, CNRS, Sorbonne Universités.

Climate-Resilient Urban Design: Bridging Science and Practice, Cambridge University, England, 2017. Solo lecture, followed by workshop led by me on the intersection of urban form, climate and implementation strategies.

Climate Change in NYC, Center for Architecture, New York City, 2017. Co-moderator/panelist and lecturer. Joined by Susanne Desroches, Dep. Director - NYC Office for Recovery & Resiliency; Cynthia Rosenzweig - NASA Goddard Institute for Space Studies; Jee Mee Kim - HR&A; and Signe Nielsen - Mathews Nielsen Landscape Architects.

Climate Change and Cities, presentation at the Regional Plan Association, New York, 2017.

Design Solutions for Climate Change in Urban Areas; funded panelist and presenter, University of Naples Federico II, Italy, 2016.

Toward Developing a Blueprint for Sustainable and Resilient Infrastructure, International Conference on Sustainable Infrastructure (ICSI), invited and sponsored by the US National Science Foundation as speaker and panelist, Shenzhen, China, 2016.

Convening Design and Semiotics to Build Visual Identity for Museums and Urban Districts, panelist at the AIA New York State annual convention, Saratoga, 2016.

The South Bronx: Seeds for Urban Transformation – How Policy, Planning & Design Shape New York Neighborhoods; Annual Conference ASLA-APA-AIA; Raven organized and moderated a panel for the interdisciplinary conference of the American Society of Landscape Architects, American Planning Association, and the American Institute of Architects, 2016.

A Critical Climate Change Debrief: COP21, Paris at the NYC Center for Architecture; speaker and panelist with Tom Vonier (AIA national president), Andrew Revkin (NY Times), Tom Dallassio (Next City), 2016.

Heat Waves: Preparing for and Managing the Effects of Extreme Heat on Cities; NYC Center for Architecture, 2016.

The Road from Paris, Pratt Institute Program for Sustainable Planning and Development Lecture Series directed by Ronald Shiffman FAICP; Lecture and panel on the outcomes of the Paris 2015 Climate Conference and the implications for grassroots organizations and frontline communities; Pratt Manhattan Campus, 2016.

Sustainable Megacities: US-China EcoPartnership Forum, Beijing; Panel Chair/lecturer. Led by New York Institute of Technology and Peking University; co-funded by the US National Science Foundation, 2015.

Urban Transitions in the Face of Climate Change: Raven lectured and was a panelist at a COP21-labelled event in Paris, France on Urban Transitions *in the Face of Climate Change*. Jeffrey Raven presented his work as Coordinating Lead Author on Urban Planning and Design for the *Assessment Report for Climate Change in Cities* (Cambridge Press, 2015). The event was held at the Pavillon de l'Arsenal, the center for urban planning and architecture of Paris. It marked the launch of the *Urban Climate Change Research Network (UCCRN) Hub* in Europe. Fellow presenters included UCCRN/NASA-Goddard, the Mayor's Office for the City of Paris, the Atelier International du Grand Paris and the Centre National de la Recherche Scientifique (CNRS), 2015.

The Assessment Report for Climate Change in Cities, International Conference on Urban Climate (ICUC9) at a COP21-labelled event in Toulouse, France. Jeffrey Raven presented his work as Coordinating Lead Author on Urban Planning and Design for the *Assessment Report for Climate Change in Cities*, 2015.

Cooling the Public Realm: Climate-Resilient Urban Design. Jeffrey was the sole presenter at this plenary event at the NYC Center for Architecture, with focus on current practice and applied research in climate-resilient urban design. This emerging practice integrates climate science, natural systems, and compact urban form to configure dynamic, desirable, and healthy communities, 2015.

Columbia University Sustainability Media Lab: Resilient New York- Architecture and Urban Planning in the Face of Climate Change; Lecturer and panelist, 2015.

EcoDistricts Global Protocol: Raven is an Advisory Committee member developing a global Protocol for EcoDistricts, to define performance requirements for delivering district and neighborhood sustainability projects worldwide. Seven North American EcoDistrict Target Cities are underway, including Atlanta, Boston, Los Angeles and Washington DC, 2014-15.

National Science Foundation (NSF)- Urban Climate Institute (UCI): Raven was an invited 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.

The National Science Foundation- Carbon Footprint Metric in collaboration with the AIA: Raven was a focus group member to review the research and design for a Building Information Modeling (BIM)-integrated Carbon Footprint Metric (CFM) tool. This will support environmental decision making by design professionals and their clients, 2014.

The Atlantic Roundtable-Rockefeller Foundation: Panelist for the Healthy Cities forum, New York, 2013.

International Conference on Urban Climate (ICUC), international forum where the world's urban climatologists, presented *Resilient Architecture + Urban Design*, 2012.

City Weathers Workshop, Manchester England, presented *Cooling the Public Realm: Climate-Resilient Urban Design*. It was republished in [City Weathers](#), Manchester Architecture Research Centre, 2011.

Benchmarking Resilience, Raven was a member of the Advisory Panel for the Resilient Design Institute (RDI). The panel of leading practitioners, researchers and US Green Building Council developed metrics and benchmarks relating to urban resilience and acceptable urban temperature fluctuations; New York, 2013.

Project EAST- Euro-Asian Sustainable Towns, Raven's three-year collaboration as technical expert with Chinese, Indian and European officials and urban experts through Project EAST tested climate-resilient urban design in Asia, resulting in his publication *Shaping Resilient Cities in China, India and the United States*. European New Town and Pilot Cities Platform (ENTP) is the managing partner of this program, with Basildon (UK), Baoshan (China), Qingpu (China), Naya Raipur (India) and the Euro-India Center. Raven contributed to the research initiatives in Qingpu, Shanghai, as a part of a group of urban experts from

China, India and Europe to survey the condition of strategic and vulnerable settlements within Shanghai's expanding regional growth zone, 2014.

Project EAST / China-Europa Forum: Sustainable Development Facing Climate Change Presenter and Session Moderator, Paris and Brussels, December 2014. Presented *Shaping Resilient Cities in China, India and the United States*; moderated Session 1: Sustainable Urban Development and Planning. The session was attended by leading experts and city leaders from Europe, China and India.

China International Urbanization Forum: Raven served on a panel of international experts researching best practices applied to rapidly urbanizing cities in China, as part of the EU-sponsored Project EAST delegation. Organized by the China Center for Urban Development under the National Development and Reform Commission (NDRC), China Ministry of Commerce, UNDP, Shanghai Municipal Development & Reform Commission and presented on Sustainable and Resilient Cities. Raven presented to this group in Shanghai, 2012.

Resilient-Urban Design Workshop, Shanghai SISS Institute: Led a workshop for the Shanghai Institute for Science of Science (SISS), an institution under the leadership of Science and Technology Commission of Shanghai Municipality and Shanghai Academy of Science and Technology, 2013.

Sustainable Urban Design Workshop, Xiamen University, China: Redevelopment of Xiamen Old Port District (formerly Old Amoy), 2013.

The Challenges of Mumbai as a Mega-City, European Union-Bombay First: Raven was the only US-based expert invited to contribute to this high-level European and Indian forum on low-energy cities. This process ties into the Mumbai government development of a new regional plan. Raven's presentation and panel drew from his urban design research and project experience in the US, the Middle East and Asia. Mumbai, 2013.

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

United Nations Development Programme (UNDP) Europe and the CIS, Sustainable and Resilient Local Development: Bratislava Regional Centre, Slovakia, led in-person and remote session on Resilient Cities to 60 UNDP experts, 2012.

United Nations Habitat, High-Level Meeting on Sustainable Urbanization in Konya, Turkey - Consortium for Sustainable Urbanization: Lecturer and panelist at the UN Headquarters in New York, 2012.

United Nations Environment Programme (UNEP) and Technische Universität Dresden's Centre for International Postgraduate Studies of Environment Management (CIPSEM), annual series of workshops on Sustainable-Resilient Cities, attended by international policy and technical experts, 2010-present.

Humboldt Foundation, Germany: Led a series of annual workshops for The Alexander von Humboldt Foundation's International Climate Protection Fellowship, a competitive program for future international leaders in the field of climate protection, focused on Sustainable-Resilient Cities; 2011, 2012, 2013.

Global Change Impacts and Adaptation Program, US Environmental Protection Agency Office of Research and Development (EPA): Raven was a member of the Technical Steering Committee to develop an Urban Resilience Framework for American Communities based upon urban areas' resilience to climate change. The Steering Committee shaped federal policy by ensuring realistic, useful and rigorous project outcomes from the practitioner's perspective, 2012-2013.

Global Sustainable Urbanization Development Indicators; US Office Housing & Urban Development (HUD): Raven was a member of the Working Group under the direction of the HUD Deputy Assistant Secretary. Launched by The White House Office of Urban Affairs to shape federal sustainable development, the

group mapped global best practices and universal benchmarks, 2010-2011.

Transportation Research Board, Integrated Planning & Sustainable Transportation: Panelist on sustainable cities, Washington DC.

Peer Review: NYC Department of Design and Construction - High Performance Infrastructure Guidelines, practices for creating sustainable city streets, sidewalks, utilities, and urban landscaping.

Department of Transportation (North Carolina DOT) and ACEC, presented at the ACEC/NC DOT Joint-*Technical Training Workshop*, Intermodal Transportation Perspectives and Sustainable Planning/Design for Resilient Cities.

Cambridge University Sustainable Cities Programs: Lecturer and external expert to *The Cambridge Institute for Sustainability Leadership*, *The Prince of Wales' Business & Sustainability Programme*, the *Cambridge International Land Institute*. He presented his research and professional experience to policymakers, business leaders and experts from China, Europe and the United States. In 2012, he presented *Sustainable Cities: Shaping Resilient Communities for the 21st Century* and led a Cambridge workshop for 30 Chinese leaders from the TianJin Economic Technological Development Area, 2010-2012.

Cambridge Academic Examiner, MSt Interdisciplinary Design for the Built Environment (Dept. of Architecture and Engineering), 2011.

The Ecological City course - Cooper Union / The New York Times, accredited certificate program (AIA/CES, PDH/LU-HSW credits) in Green Building Design, The Cooper Union's Department of Continuing Education since 2007. Building design course *Retrofitting Green*, and *The Ecological City: Sustainability and Resilience* (7-10 sessions). *Ecological City* course was on web-based *The New York Times Knowledge Network* via the global *New York Times* platform, 2007-2015.

Symposium on Planning Healthy, Sustainable Communities, Rutgers University, New Jersey: Lectured on urban sustainability rating systems and was panelist for the Consortium in Northern New Jersey. The group had been awarded the US HUD Sustainable Communities Regional Planning Grant, 2012.

Sustainable Futures for Global Cities and Suburbs, Hofstra University. Lecturer and panelist on sustainable urban design for the event co-sponsored by the Center for Sustainable Urban Development at the Earth Institute (Columbia University) and the Center for the Sustainable Built Environment (New York University), 2013.

Climate Positive Development Program (CPDP), *Clinton Climate Initiative*: Raven was Technical Resource Expert to CPDP, whose mission was to create zero-carbon models for urban districts of member cities. The experts shaped program performance standards for green energy, waste efficiency, material technologies, and integrated design. CPDP is a program within the *Sustainable Communities Initiative* of the C40 Cities Climate Leadership Group, and was developed in partnership with the US Green Building Council, 2010.

Regional Plan Association: Invited panelist to annual Regional Assembly: *Building a Green Infrastructure*; member of the charrette team for Downtown Visioning Charrette, in Bergen County, NJ., and post 9/11 *Civic Alliance Planning and Design Workshop* in Lower Manhattan.

Other Publications or Reports

- *Gowanus Technical Advisory Panel*, Urban Land Institute New York, 2018.
- McKinsey and Company, *Unlocking the Value of Green Districts: Developing a Business Case*. It provides cities with the value proposition for implementing sustainable district strategies, External

Expert, 2012

- *STAR Community Index, 1.0*, to develop Sustainable rating system for American communities
- *Growing Green*, St. Louis County, MO., 2010. *USGBC-St. Louis, Governance Award*
- *Belford Port Redevelopment Plan*, NJ, 2009. *NJPO Achievement Planning Award*
- *Montclair Redevelopment Plan*, NJ, 2008
- *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
- Contributor to *A Region at Risk: The Third Regional Plan for the NY Metropolitan Area*, RPA, 1996
- "*Belfast Plan for the Gasworks Site*"; *Scope: A Review of Northern Ireland*, an independent urban design project to develop a 27-acre waterfront site. Exhibited at the Progressive Building Society, Belfast

Referenced Publication

- Burgess, Katharine, and Elizabeth Foster. *Scorched: Extreme Heat and Real Estate*. Washington, DC: Urban Land Institute, 2019. NYIT MSAURD research and diagrams (2019).
- *Green Cities*, Asian Development Bank; Urban Development Series publication, Lindfield, M. and Steinberg, F. (ed.) 2012. Chapter 1; Spatial Development and Technologies for Green Cities; "Defining the New Urban Landscape: The Greening of Cities", p.37-38; "Cooling the Public Realm", p. 84-85; ISBN:978-92-9092-896-6 (print), 978-92-9092-897-3 (web).
- *Visualizing Climate Change*, Sheppard, S.; Routledge, 2012. "Visual Media Toolset", p. 345; "Green and blue fingers - urban design amenities".
- Royal Town Planning Institute, RTPI News, *Major Urban Climatology Project*, United Kingdom, 2012.

Jury

Doctoral Thesis Juror, École des Ponts ParisTech/Université Paris-Est. The thesis is *Architecture as Indicator of Risk, at the Risk of Urban Temporalities*. Delivered a detailed verbal and written response and exchange with the doctoral candidate and fellow jury in French, 2021.

Le Monde CITIES, Member of the Awards Selection Committee, Paris, 2019-present.

I-Site FUTURE Scientific Committee at Université Gustave Eiffel, France (current).

Juror for the *Habilitation à Diriger les Recherches* (HDR) by the research director from École des Ponts ParisTech/Université Paris-Est. The HDR is a high-level specialization university-granted and higher education-sanctioned degree obtained post-PhD needed to access the rank of "Professeur des Universités". The criteria for jury selection requires internationally-recognized experts in the field of research, Paris, 2019.

C40 Cities jury panelist in Houston for the Reinventing Cities competition, organized by the C40 and the City of Houston, Texas, 2019.

Doctoral Thesis Juror, Université Paris 8, *Socio-Semiotics and Research-Action Approach to the Visual Identity of Museums in Paris and New York*, As Doctoral Thesis Juror, Raven delivered a detailed verbal and written response and exchange with the doctoral candidate and fellow jury in French, 2016.

Shaping a New Capital City to Fit Indian Life, Naya Raipur, India, International jury invited by a joint European Union program Euro-Asian Sustainable Towns Programme (EAST) and L'association Les Ateliers Internationaux de Maîtrise d'Oeuvre Urbaine (Cergy-Paris), 2012.

Columbia University, MS Architecture and Urban Design, 2013-2019; MArch1 juror, 2012 and 2016.

Professional Honors, Prizes, Fellowships

College of Fellows of the American Institute of Architects (FAIA). Elevated to the national AIA College of Fellows in 2015. The FAIA "is awarded to architects who have made a significant contribution to architecture and society and who have achieved a standard of excellence in the profession". Only 3% of AIA members have this distinction. Listed as a [Best Example](#) FAIA submission in *Research-Object Two*, 2017 / 2016.

Elected member of the *Century Association*, New York City, 2021.

[Foreign visiting professor](#) invited by the Université Gustave Eiffel (France), selected by jury from the directors of the doctoral schools and Doctoral Training Council, the President of the university, 2021-22.

Co-Chair of the American Institute of Architects Planning & Urban Design Committee - New York Chapter; nominated by AIA peers and supported by the AIANY Board of Directors, 2016 to 2022.

Group artist exhibition at the Century Association, bronze sculpture, New York, 2021.

AIA New York State Board of Directors, appointed (2018)

Steering Board member of sustainable cities NGO [Pilot4Dev](#) Steering Board (Brussels)

Bronx Center; awarded Best Practice prototype by UN Habitat, Project Coordinator

St. Louis County Energy Efficiency and Conservation Block Grant Strategy, *USGBC- St. Louis Governance award*, Project Director

Port Redevelopment Plan, Belford (Middletown), New Jersey. Smart Growth grant. *NJPO Achievement Planning Award*, Urban Design Lead

Freedom Ring, Pampanga, Philippines. Centennial Exposition. *NYACE Gold Prize*, Project Architect.

Professional Practice

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

- **Gowanus Urban Heat Island Resilience Project**, urban design prototypes for a compact climate-resilient district, Urban Land Institute, Brooklyn, NY.
- **Durban Urban Design Climate Workshop**, South Africa. Integrated mitigation and adaptation strategies by reducing energy consumption in the built environment, strengthening urban climate resiliency, enhancing quality of life. Funded by the German Government Deutsche Gesellschaft fuer Internationale Zusammenarbeit (GIZ) GmbH in collaboration with the Government of Durban.
- **Project EAST- Euro-Asia Sustainable Towns**, climate-resilient urban design expert in Asia, leading to publication *Shaping Resilient Cities in China, India and the United States*. Funded by European New Town and Pilot Cities Platform (ENTP) with Basildon (UK), Baoshan (China), Qingpu (China), Naya Raipur (India) and the Euro-India Center.
- **Kolkata (Calcutta) Sustainable Satellite Towns**, urban design principal. Calcutta Metropolitan Area, West Bengal. Funded by Dept. International Development (DFID UK) / Government of West Bengal; prime contractor: Louis Berger Group.
- **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**, Led 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 RMSC 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

Professional Licenses

Registered Architect: New York 023141-1; New Jersey 21AI01544100

LEED Professional: LEED BD+C; GBCI# 65300; 1/3/14