

Mayor Michael Nutter on the Calling of Public Service

Michael Nutter loved his eight years as Mayor of the City of Philadelphia—he loved the responsibility, the challenges, and the opportunity to make a difference in the lives of Philadelphians. This sentiment came through loud and clear in the series of public talks sponsored by Penn IUR and the School of Social Policy & Practice (SP2) that he gave this past spring. Mayor Nutter, who was recently appointed Senior SP2 Executive Fellow at Penn IUR, spoke on three dates in March and April on his experience campaigning and holding office, his path to public service, and the responsibility

of governing. Supplementing his talks with video clips, he highlighted key moments in his career and Philadelphia's history.

On March 21, Mayor Nutter gave a presentation entitled "Public Service is a Calling—How Should You Answer It?" Recounting his early years growing up in Philadelphia and attending Penn, he told the story of his circuitous route to public service and his decision, at age 25, to commit himself to it. He spoke about the people who supported him and inspired him, including his mentor John C. Anderson,

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Innovation in Higher Ed

Connecticut has developed, with support from Penn IUR, a roadmap to foster innovation and entrepreneurship across the state's public and private institutions of higher education.

The Connecticut legislature initiated a \$10 million fund to support collaborative work in facilitating entrepreneurship and innovation among the state's institutions of higher education to be managed by CTNext, the state agency that fosters growth in startup and early-stage businesses and links startups to promote greater business activity. The legislature mandated the development of a strategic plan to guide the dispersal of funds. At the inaugural meeting of the state's 38 college and university presidents hosted by Peter Salovey, President, Yale University, the leaders created the Working Group on Entrepreneurship and Innovation chaired by Joanne Berger-Sweeney, President, Trinity College and Mark Ojakian, President, Connecticut State College and University System, to undertake the plan.

Subsequently, the Working Group, familiar with Penn IUR's work on anchor institutions and innovation, retained Penn IUR to assist in the plan's development. Between December 2016 and April 2017, Penn IUR Co-Director Eugénie Birch and Penn IUR Project Manager Amanda Lloyd interviewed administrators and faculty at more than 20 universities around the state to discuss their programs, initiatives, and goals for supporting entrepreneurship and innovation at their institutions. Concurrently, Birch moderated four Working Group meetings to assess the scope and scale of programs, opportunities, and risks; examine higher

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ON PUBLIC SERVICE: Former Mayor of Philadelphia Michael Nutter spoke at Penn on three occasions during the spring semester. Photo by Jessica Bautista

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Upcoming Events

VISIT PENNIUR.UPENN.EDU/EVENTS FOR DETAILS AND TO REGISTER.

SEPTEMBER 7, 2017

PENN IUR CO-SPONSORED EVENT

AISA KIRABO KACYIRA

PERRY WORLD HOUSE GLOBAL FORUM | 5:00 – 6:30 PM

As the world's urban areas grow, so do questions about how to ensure a future that is inclusive and sustainable. Perry World House and Penn IUR invite you to join us for an event featuring remarks by Aisa Kirabo Kacyira, Deputy Executive Director, UN-Habitat and UN Assistant Secretary-General, and a moderated conversation with Kacyira, Anne Fadullon, Director of Planning and Development, City of Philadelphia, and Penn IUR Faculty Fellow William Burke-White, Director, Perry World House.

SEPTEMBER 12, 2017

PENN IUR URBAN BOOK TALK

DOMENIC VITIELLO: *IMMIGRATION AND METROPOLITAN REVITALIZATION IN THE UNITED STATES*

PENN BOOKSTORE, 2ND FLOOR | 5:00 - 6:00 PM

Join Penn IUR for an urban book talk on the newest book in The City and the 21st Century Book series published by Penn Press. *Immigration and Metropolitan Revitalization in the United States*, edited by Penn IUR Faculty Fellow Domenic Vitiello and Thomas J. Sugrue, offers radically new perspectives on both immigration and urban revitalization and examines how immigrants have transformed big cities such as New York, Chicago, and Los Angeles, as well as smaller destinations such as Nashville and the suburbs of Boston and New Jersey. For more on the book, see page 10.

SEPTEMBER 14-15, 2017

PENN IUR CO-SPONSORED EVENT

U.S. HOUSING POLICY: THE FUTURE OF WHAT WORKS

KLEINMAN CENTER FOR ENERGY POLICY | FULL DAY

This housing policy conference will explore the question of which U.S. housing policies and programs work, which can be made to work better, and what should the next generation of housing policy be. This conference will convene leading scholars and practitioners on the future of housing policy.

SEPTEMBER 22, 2017

PENN IUR COMMUNITY EVENT

MUSA INTERACTIVE WORKSHOP

MEYERSON HALL, PENN IUR CONFERENCE ROOM, G12 | 12:00 – 1:30 PM

This interactive workshop, cosponsored by Penn IUR and MUSA, features hands-on exercises in geodesign with representatives from ESRI.

SEPTEMBER 25, 2017

PARTNERS IN POLICY: KICKOFF CONVERSATION WITH

HARRIET TREGONING

KLEINMAN CENTER FOR ENERGY POLICY FORUM | 12:00 – 1:30 PM

The Fels Policy Research Initiative, Penn IUR, and PennPraxis are hosting this lunchtime conversation with Harriet Tregoning, the immediate past Principal Deputy Assistant Secretary of the Office of Community Planning and Development at HUD. The discussion, moderated by Penn Fels Policy Research Initiative Managing Director Diana Lind, will cover Tregoning's varied career working at local, state and federal government.

OCTOBER 9, 2017

PENN IUR URBAN BOOK TALK

ONOSO IMOAGENE, *BEYOND EXPECTATIONS*

TIME AND LOCATION TBD

Join Penn IUR for an Urban Book talk with Onoso Imoagene, Assistant Professor of Sociology, on her book, *Beyond Expectations*, which delves into the multifaceted identities of second-generation Nigerian adults in the United States and Britain. She argues that they conceive of an alternative notion of "black" identity that differs radically from African American and Black Caribbean notions of "black." Instead of considering themselves in terms of their country of destination alone, second-generation Nigerians define themselves in complicated ways that balance racial status, a diasporic Nigerian ethnicity, a pan-African identity, and identification with fellow immigrants. Based on over 150 interviews, *Beyond Expectations* seeks to understand how race, ethnicity, and class shape identity and how globalization, transnationalism, and national context inform sense of self.

OCTOBER 10, 2017

PENN IUR COMMUNITY EVENT

TOM DANIELS, *VENICE CHARMS AND CHALLENGES*

MYERSON HALL, UPPER GALLERY | 4:30 – 6:00 PM

Penn IUR Faculty Fellow Tom Daniels, Professor of City and Regional Planning, School of Design, will explore the economic, environmental, and social forces affecting Venice, Italy in this talk entitled "Venice Charms and Challenges." Solutions for greater sustainability will be presented for attendees to debate.

OCTOBER 27, 2017

PENN IUR COMMUNITY EVENT

MUSA LUNCH SPEAKER SERIES: TIM WISNIEWSKI

MEYERSON HALL, PENN IUR CONFERENCE ROOM, G12 | 12:00 – 1:30 PM

Penn IUR and MUSA are hosting this lunch talk with Tim Wisniewski, Chief Data Officer, City of Philadelphia. He will discuss the Open Data Philly platform, current projects in data acquisition and assessment for the city, and the importance of open access data.

NOVEMBER 15, 2017

PENN IUR COMMUNITY EVENT

MUSA GIS DAY 2017: COMPUTER VISION AND REMOTE SENSING IN SPATIAL ANALYSIS

MEYERSON HALL, LOWER GALLERY | 11:00 AM – 2:00 PM

MUSA GIS Day, held in conjunction with national GIS Day celebrations, focuses on real-world applications and innovations stemming from uses of Geographic Information Systems. This year, the event will investigate the role of computer vision and remote sensing in shaping technology developments in GIS. Speakers include Rob Emanuele, Vice President of Research and Technical Lead on the GeoTrellis Team, Azavea; Abhishek Guar, Deep Learning Engineer, Neurala, Inc; and Chris Holmes, SVP, Product Architecture, Planet. This event is cosponsored by MUSA, the Department of City and Regional Planning, and the Wharton GIS Lab.

Faculty Spotlight: Pam Grossman



PAM GROSSMAN joined Penn Graduate School of Education (GSE) in January 2015 as the School's 11th dean and the George and Diane Weiss Professor. A distinguished scholar, she came to Penn from Stanford University's School of Education, where she was the Nomellini-Olivier Professor of Education. At Stanford, she founded and led the Center to Support Excellence in Teaching and established the Hollyhock Fellowship for early career teachers in underserved schools. Before joining Stanford, she was the Boeing Professor of Teacher Education at the University of Washington. Dean Grossman was recently elected to the American Academy of Arts and Sciences. She serves on the boards of some of the nation's foremost organizations that promote rigorous educational research and teacher excellence, including the National Academy of Education, the Spencer Foundation, and the Carnegie Foundation for the Advancement of Teaching.

1. YOU BEGAN YOUR CAREER AS A TEACHER. WHAT SPARKED YOUR INTEREST IN TEACHING? WHAT WAS YOUR TEACHING EXPERIENCE LIKE?

I became interested in teaching during high school when I was a teaching assistant for a fabulous high school English teacher who really inspired me to think about teaching. I loved leading discussions in the English classes I TA'ed for her. When I went off to college, I went with the intention of becoming a high school English teacher. I went to Yale, got my bachelors in English, and became certified to teach in Connecticut. I taught for eight years in New Haven, California, and Alaska.

My decision to teach wasn't one that was necessarily supported by the faculty or my peers. Many people asked me: "Why would you waste a Yale education to become a teacher?" Yet what better way to use a great education than to help others learn and achieve? That experience has galvanized my belief that places like Yale and Penn and Stanford should be committed to the preparation of teachers; after all, universities began as places that prepared teachers and preachers.

2. YOU LATER DECIDED TO BECOME A PROFESSOR AND RESEARCHER. WHAT INSPIRED YOU TO MAKE THE SHIFT TO ACADEMIA?

I loved teaching high school—but ultimately, I became a little bit restless. I never lost my love of teaching, I just wanted to do something else and so went back to graduate school—not necessarily with the intention of becoming a professor but just because I wanted to learn more about education and was looking for more intellectual stimulation. I went to Stanford for my doctorate and found it incredibly exciting. That's where I caught the research bug.

Ultimately my research was related to questions about teacher education. My dissertation looked at teachers with and without teacher education. This was back in the '80s; in many ways, it foreshadowed alternative route programs where people did not necessarily need lengthy preparation before they began teaching in the classroom. I became very interested in professional education: how people are prepared, not just to teach, but for other professions that require relational practice. I have always been interested in how you teach people to develop productive professional relationships.

3. YOU HAVE ALSO PAID SPECIAL ATTENTION TO URBAN EDUCATION. CAN YOU TELL US A BIT ABOUT YOUR RESEARCH IN THIS FIELD?

One of our large studies looked at how teachers were prepared to teach in New York City public schools. We looked broadly at features of teacher education programs that prepared teachers for city schools and the impact those programs had on subsequent student achievement as well as on teacher retention.

4. IN JANUARY 2015, YOU MOVED TO PHILADELPHIA FROM YOUR NATIVE CALIFORNIA TO BECOME DEAN OF GSE. WHAT DREW YOU TO PENN AND TO PHILADELPHIA?

Part of it had to do with my interest in urban education—as I was fond of saying when I first arrived, if you care about urban education, it really helps to be in a city. And Palo Alto, where Stanford is located, is not a city. So, even though we said that we were preparing people for urban classrooms, we were placing them mostly in suburban classrooms because that's what was around the university. The chance to work at a great school

of education, at a great university, at the heart of Philadelphia just seemed like a great opportunity to me.

5. WHAT DO YOU THINK ARE THE GREATEST OPPORTUNITIES AND CHALLENGES IN URBAN EDUCATION?

I think there are number of great opportunities. One is thinking about how to best prepare teachers and leaders to work with students who come from a wide diversity of backgrounds, experiences, and languages—there's an incredible linguistic diversity [in urban schools] and how we prepare teachers to work with students who come from many different language backgrounds is critically important.

Another opportunity is to think about how we prepare educators to support students who face challenges related to poverty, challenges that extend well beyond school. The Penn Futures Project, which GSE started with the School of Nursing and the School of Social Policy & Practice, looks broadly at the challenges that young people and their families face and knits together services that support them. As a number of studies have found, helping students succeed goes beyond what can be done just in school. It involves broader, interdisciplinary, inter-professional support. Penn is a great place to work on these issues.

One of the schools that Penn Futures is working with is the Kensington Health Sciences Academy, which is preparing high school students for careers in health sciences. In that sense, it's a natural fit between Education, Nursing, and SP2. It's also a place where we can co-locate student nurses, student teachers, student counselors, and student social workers and really think about how we prepare them to work together to

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CONVENING

Deans Discuss Contested Area of Media Today

“This new information environment has tremendous democratic potential--but it is potential. It is not the technology that’s going to matter but the way that we use it, the way we understand it. Political power, social and economic power, still matter in this new environment.”

- Michael Delli Carpini

In honor of Penn’s 2016-2017 Year of the Media, Penn IUR hosted a conversation on February 2 entitled “Media, Communication, and the City.” Panelists and Penn IUR Faculty Fellows Michael Delli Carpini, Walter H. Annenberg Dean and Professor of Communication, Annenberg School for Communication; John Jackson, Jr., Dean, Richard Perry University Professor and Penn Integrates Knowledge (PIK) Professor, School of Social Policy & Practice; and Frederick Steiner, Dean and Paley Professor, School of Design, were joined by moderator and Penn IUR Co-Director Eugénie Birch to discuss the media’s role in promoting equality and shared prosperity.

Penn IUR Co-Director Susan Wachter introduced the panelists and the evening’s topic. Carpini gave the first presentation, discussing the causes and consequences of the current media environment. He identified four social and economic trends that have evolved over decades to create today’s media landscape: explosive growth in the number of media outlets, deregulation of media, an economic crisis within the industry, and a dramatic decline in public trust in news media. These trends, he said, have combined to blur the distinctions between interpersonal communication and mass media, entertainment and news, fact and opinion. While this state of affairs has incredible democratic potential, he said, it also requires active, critical engagement.

Jackson focused on the role of faculty and academics in the new media environment, explaining how the School of Social Policy & Practice (SP2) is helping its faculty to make their research accessible and comprehensible to people outside of academia. SP2’s “Penn Top 10,” for example, is a web-based multimodal initiative in which SP2 experts identify and analyze the nation’s most important social justice and policy issues (penntopten.com).

Steiner’s presentation shifted the conversation to Philadelphia and, in particular, to the local media’s involvement in conversations on urban and design topics. He said that the city’s proliferation of media outlets covering urban issues, the existence of local critics with architecture and design beats, and the variety of community design initiatives at institutions such as Penn puts Philadelphia at the forefront of media and urban design experimentation.

Following panelist presentations, Birch moderated a discussion in which panelists recognized the impossibility of predicting the future of the media landscape, delved deeper into the relationships between academics and journalists in their efforts to communicate complex concepts to the public, and acknowledged aspects of communication that go beyond the transfer of information.

This event was made possible with the support of the Office of the Provost. Special thanks to Jordan Hillier for contributing to this article. To watch a video of the discussion, visit the “Events” section of Penn IUR’s website (penniur.upenn.edu).

FROM LEFT: Michael Delli Carpini, Walter H. Annenberg Dean and Professor of Communication, Annenberg School for Communication; John Jackson, Jr., Dean, Richard Perry University Professor and Penn Integrates Knowledge (PIK) Professor, School of Social Policy & Practice; and Frederick Steiner, Dean and Paley Professor, School of Design



INSTRUCTION

MUSA Speaker Series

Penn IUR hosted two Masters in Urban Spatial Analytics (MUSA) Brown Bag Lunch talks this past spring, giving students the opportunity to hear from and network with practitioners in the field.

Matthew Harris, Department Manager of Geospatial Services / Archaeological Laboratory, Deputy Department Manager Cultural Resources Services, Design and Consulting Services Group (DCS) headlined the first lunch talk of the semester. Harris guided the audience through the history of the archaeological discipline followed by a deeper look at how his current initiatives make use of GIS and other software tools to collect, analyze, and disseminate archaeological data. He described how he and other archaeologists collect data using wireless-connected tablets that export

directly into GIS, identify promising dig sites by extrapolating soil depth throughout an entire development site using modeling, and used GIS and R, a statistical programming language, to create a state-wide predictive model of Native American archaeological sites to inform highway planning in Pennsylvania.

Penn IUR Faculty Fellow Daniel Aldana Cohen, Assistant Professor of Sociology, Penn School of Arts and Sciences, gave the second lunch talk of the semester on March 31. Cohen guided the audience through his efforts to map complex greenhouse gas emission data with an eye toward crafting compelling stories that reach policymakers. He explained the obstacles to attributing emissions to cities and neighborhoods,

walking his audience through his efforts to map consumer emissions by zip code in New York City. The findings of his study of New York City—that emissions savings resulting from increased density in Manhattan are outweighed by the higher income and consumption levels of Manhattan's population—demonstrate that how emissions are spatially attributed has policy implications. He argued that framing and mapping climate data into a comprehensible visual narrative can spur politicians to act on policies that will lower emissions.

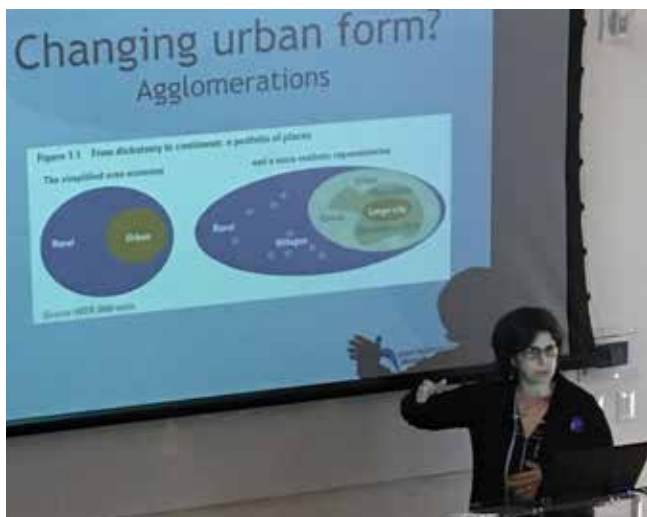
Visit the "Events" section of the Penn IUR website (penniu.upenn.edu) for information about the 2017-2018 MUSA Brown Bag Lunch series schedule.

CONVENING

Celebrating Earth Day

On April 21, Penn IUR partnered with the Masters in Spatial Analytics (MUSA) program to mark Earth Day with a lecture by Deborah Balk, Associate Director of the CUNY Institute for Demographic Research, entitled "Urbanization, Migration, and Climate Change: What Can We Learn from a Spatial Perspective?" This year, the annual MUSA Earth Day event joined with Perry World House's "Global Shifts" symposium, which focused on global urbanization, migration, and demographic change (see page 16). Balk's talk examined how the integration of earth and social science data can address questions related to population distribution and climate change.

CHANGING URBAN FORM: *Deborah Balk, Associate Director of the CUNY Institute for Demographic Research, speaks on urbanization, migration, and climate change.*



Daniel Agbibo, Postdoctoral Research Fellow at Perry World House, welcomed Balk and the audience, stressing the importance of spatial analytics in an increasingly globalized world. Balk echoed the calls of Former Ambassador to the United Nations and "Global Shifts" Keynote Speaker Samantha Power that countries worldwide (including the United States) will need to look beyond the U.S. federal government for leadership on climate change. Balk's talk outlined the challenges of data collection and analysis with an eye toward crafting new solutions for mitigating and adapting to climate change.

Balk explained the obstacles to understanding urbanization and migration in terms of data collection and analysis. Forecasting urban development and population growth is difficult, she said, since significant gaps in our understanding of urbanization remain unfilled: current estimates of urban population are likely inaccurate and the a-spatial nature of current projection data further undermines efforts to predict urban growth. Migration data also has limitations, she noted, as it is usually aggregated at the national level. Balk argued that a new approach

to analyzing urbanization data is needed—one that combines demographic data with satellite or other spatial data. Specifically, she advocated for the use of city-specific data collection and analysis that combines demographic, ecological, and migration information.

Throughout her talk, Balk stressed the importance of understanding the spatial dimensions of climate change and of urbanization and how they interact. Vulnerability to the effects of climate change varies from city to city. By better understanding urban growth, climate change, and how they intersect, cities will be better able to prepare for climate change—and perhaps even be able to take advantage of urbanization and migration as opportunities for mitigating and adapting to climate change.

In addition to the annual MUSA Earth Day event, Penn IUR took part in the School of Design's Earth Day celebration. Co-hosted by the Penn School of Design, the School of Design's Student Council, and Penn IUR, the event featured a panel discussion among Penn IUR Faculty Fellow Richard Weller, Martin and Margy Meyerson Chair of Urbanism and Professor and Chair of Landscape Architecture, School of Design; Penn IUR Faculty Fellow Frederick Steiner, Dean and Paley Professor, School of Design; and Penn IUR Co-Director Eugénie Birch, Nussdorf Professor of Urban Research, Department of City and Regional Planning, School of Design.

CONVENING

What is the Appropriate Role for Government in Mortgage Markets?

On April 27 and 28, Penn IUR cosponsored with the Federal Reserve Bank of New York and others the “Workshop on the Appropriate Government Role in U.S. Mortgage Markets.” This event featured talks by Ed DeMarco, Senior Fellow in Residence, Milken Institute, and Robert Shiller, Professor of Economics, Yale University, and a series of panel discussions to create opportunities to delve deeper into the specifics of the role of government in mortgage markets.

DeMarco gave a talk entitled “Housing Finance Reform: Agreement Trumps Disagreement.” Shiller spoke on “Narrative Economics and the Housing Market.” Eight panel discussions covered

topics including financial stability and mortgage markets, government credit pricing, the role of private capital, secondary mortgage markets, mortgage finance innovations and government’s role, mortgage market interventions and economic growth, the role of government in supporting affordable housing, and mortgage access and sustainable economic activity.

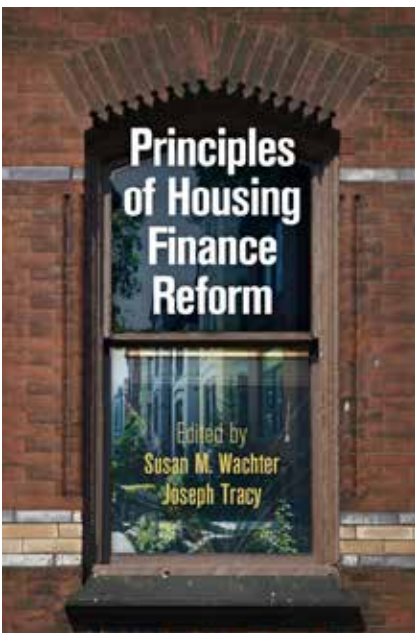
The convening was designed to create conversations around broad themes to inform mortgage finance reform. Over the course of the two-day event, participants discussed the economic rationale for a federal government role in the mortgage finance system, with conversation

on the various policy goals envisioned over the years for the GSEs; how private sector capital can be brought to bear more mortgage credit risk without losing the liquidity benefits of the “to be announced” (TBA) market; program evaluation that allows policymakers to better assess and improve government programs; aspects of effective foreclosure prevention programs; and variants of the 30-year fixed-rate mortgage. For a detailed discussion of these themes, visit the Federal Reserve Bank of New York’s Liberty Street Economics blog at libertystreeteconomics.newyorkfed.org/2017/08/at-the-new-york-fed-the-appropriate-government-role-in-us-mortgage-markets.html.

PUBLICATION

Book Launch: *Principles of Housing Finance Reform*

On April 10, Penn IUR sponsored a panel discussion entitled “The U.S. Mortgage Market: What Does the Future Hold for Credit Risk and Access?” Leading experts on the nation’s mortgage system participated, including Barry Zigas, Director of Housing, Consumer Federation of America; Greg Boester, Managing Director, JPMorgan; Gerron Levi, Director of Policy and Government Affairs, National Community Reinvestment Coalition; Peter Carroll, Executive Vice President, Mortgage Policy and Counterparty Relations, Quicken Loans. Penn IUR Co-Director Susan Wachter moderated the discussion.



The event served as a book launch for *Principles of Housing Finance Reform* (University of Pennsylvania Press, 2016), edited by Penn IUR Co-Director Susan Wachter and Penn IUR Fellow Joseph Tracy, Executive Vice President and Special Adviser to the President of the Federal Reserve Bank of New York. The book offers a framework for reforming the America’s housing finance system. To view the full list of titles in the series and to buy *Principles of Housing Finance Reform* visit upenn.edu/pennpress/series/C21.html.

The City in the 21st Century

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Visit upenn.edu/pennpress/series/C21.html for a list of books in the series.

LEADERSHIP

Molokoane and Pineda Awarded ULA

On April 25, Penn IUR held its 13th annual Urban Leadership Forum and presented the Penn IUR Urban Leadership Award (ULA) to Rose Molokoane, Deputy President, Shack/Slum Dwellers International (SDI); National Coordinator, South Africa Alliance and the Federation of the Urban Poor (FEDUP); and Chair, UN-Habitat's World Urban Campaign and Victor Santiago Pineda, President, World ENABLED and Adjunct Professor, Department of City and Regional Planning, University of California-Berkeley. The award recognizes exemplary thinkers who have demonstrated the vision to revitalize urban centers, respond to urban crises, and champion urban sustainability in the United States and around the globe.

Rose Molokoane is Coordinator, South African Federation of the Urban Poor (FEDUP), and Deputy President and Management Committee Member, Shack/Slum Dwellers International (SDI), a global network of slum dweller federations in 33 countries across the Global South. In addition, she serves as Chair, UN-Habitat's World Urban Campaign (WUC), and Co-Chair, Grassroots Constituency Group of WUC's General Assembly of Partners. She is a resident of Oukasie township and member of the Oukasie savings scheme in a slum settlement outside Pretoria, South Africa. A veteran of the anti-apartheid struggle, she an internationally recognized grassroots activist involved in land tenure and housing issues. Molokoane has initiated federations of savings schemes throughout Africa, Asia, and Latin America. She was awarded the UN-Habitat Scroll of Honor in 2005 for her struggle to bring land and homes to the poor.

Victor Santiago Pineda is President, World ENABLED, and Adjunct Professor, Department of City and Regional Planning, University of California-Berkeley. A globally recognized expert on disability policy, he teaches courses on planning theory, policy evaluation, and international community development and serves as a public member of the U.S. Architectural and Transportation Barriers Compliance Board. Previously, Pineda was Senior Research Fellow, Haas Institute for a Fair and Inclusive Society at the University of California-Berkeley, and UC-Berkeley Chancellor's Postdoctoral Research Fellow for Academic Diversity. In 2003, Pineda founded World ENABLED to improve the participation outcomes for youth with disabilities through inclusive research and educational programs.

Since 2005, Penn IUR has recognized through the ULA exemplary thinkers who have demonstrated vision in revitalizing urban centers, responding to urban crises, and championing urban sustainability in the United States and around the globe. Past recipients include: Angela Glover Blackwell, President and CEO, PolicyLink; Jeremy Nowak, President, J. Nowak Strategy; Michael A. Nutter, Mayor, City of Philadelphia; Renée Lewis Glover, Chair, Board of Directors, Habitat for Humanity International and former President and CEO, Atlanta Housing Authority; Sister Mary Scullion and Joan Dawson McConnon, co-founders of Project HOME; Martin O'Malley, Governor, State of Maryland; Joan Clos, Executive Director, UN-Habitat and former Mayor, Barcelona, Spain; Yael Lehmann, Executive Director, The Food Trust; Ridwan Kamil, Founder and Principal, Urbane Indonesia; Derek R.B. Douglas, Vice President

for Civic Engagement, University of Chicago and former Special Assistant, White House Domestic Policy Council; Paul Levy, President and CEO, Philadelphia's Center City District; Lily Yeh, Global Artist and Founder, Barefoot Artists; Raphael Bostic, Assistant Secretary for Policy Development and Research, HUD; Henry Cisneros, Executive Chairman, CityView, and former Secretary, HUD; Jane Golden, Executive Director, Philadelphia Mural Arts Program; John Timoney, former Miami Chief of Police; William Hudnut III, Senior Fellow emeritus, Urban Land Institute, and former Mayor, Indianapolis; Shirley Franklin, Mayor, City of Atlanta; Parris Glendening, President, Smart Growth Leadership Institute, and former Governor, State of Maryland; Bruce Katz, Vice President and Founding Director, Metropolitan Policy Program, Brookings Institution; Edward J. Blakely, Executive Director, Mayor's Office of Recovery and Development Administration, City of New Orleans; M. Susan Savage, Secretary of State, Oklahoma; Donna E. Shalala, President, University of Miami and former Secretary, HUD; Joseph P. Riley, Jr., Mayor, City of Charleston, South Carolina; James Lee Witt, Chairman and CEO, James Lee Witt Associates; Brent Warr, Mayor, City of Gulfport, Mississippi; Loree D. Jones, Secretary of External Affairs, Office of the Mayor, City of Philadelphia; Manuel A. Diaz, Mayor, City of Miami; Stephen Goldsmith, former Mayor, City of Indianapolis, Indiana; Marc H. Morial, former Mayor, City of New Orleans; and John F. Street, Mayor, City of Philadelphia.

To watch a video of the event, visit the "Events" section of the Penn IUR website (penniur.upenn.edu).

FROM LEFT: Rose Molokoane, Deputy President, SDI and National Coordinator, FEDUP and Chair, WUC; and Victor Santiago Pineda, President, World ENABLED and Adjunct Professor, University of California-Berkeley.

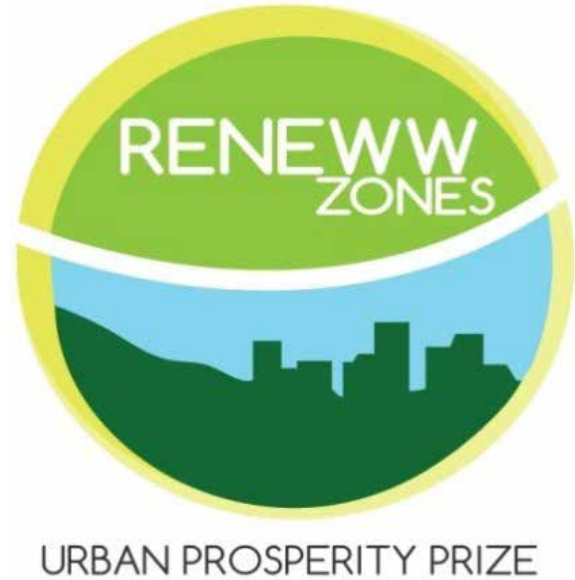


RESEARCH

RENEWW Project Launched

In the spring of 2017, Penn IUR launched the Renewable Energy, Nutrition, Environment, Water, and Waste (RENEWW) Innovation Zones in Rapidly Urbanizing Places project in partnership with the U.S. Department of State, the National Renewable Energy Laboratory, Context Partners, Future Earth, World Resources Institute, The City of Oakland, Texas A&M University, Stanford University, MIT, and others. With Penn IUR serving as the secretariat, this alliance conceptualizes a “RENEWW Zone” as a decentralized, closed-loop, multipurpose model for recycling waste and water, while producing energy and food within a designated area within or contiguous to a slum.

To stimulate the adoption of RENEWW Zones, Penn IUR and partners are developing an incentivized Urban Prosperity Prize competition. Currently, the alliance is in the process of growing the public-private coalition to launch and run the competition, which will catalyze the development of one to three pilot RENEWW Zones in geographically, environmentally, and sociologically diverse informal settlements by 2020. By working with UN-Habitat, the alliance will ensure that each winning team and host city will receive the financial and governmental commitments necessary build the RENEWW Zone. The Ford Foundation hosted the RENEWW project’s kick-off meeting on March 31, 2017.



CONVENING

Lessons on Pricing Carbon

On January 24, the Kleinman Center for Energy Policy, the Canadian Consulate of New York, and Penn IUR co-hosted a panel, “Pricing Carbon: Lessons from Canada,” on the recent adoption of a carbon tax by the Canadian province of Alberta, an unprecedented move for a top oil and gas producer in North America. Panelists included Gitane DeSilva, Alberta’s Senior Representative to the United States, Canadian Embassy; Jon Mitchell, Vice President Environment and Sustainability, Cenovus; and Jim Hines, Professor of Law and Co-Director, Law and Economics Program, University of Michigan.

Penn IUR Faculty Fellow Mark Alan Hughes, Professor of Practice, School of Design and Director, Kleinman Center for Energy Policy, kicked off the event by welcoming the panel and audience members, and Heidi Kutz, Deputy Consul General, Canadian Consulate General, set the stage for the evening’s discussion with a review of the policies Alberta has adopted.

DeSilva discussed Alberta’s emissions profile,

explaining that the province contributes 37 percent of the country’s greenhouse gas (GHG) emissions despite having only 11 percent of the population. Aiming to lower their emissions in the wake of the 2015 Paris Climate Conference, Alberta developed a Climate Leadership Plan. Key to the plan is a new tax on GHG emissions. The revenue from the tax, DeSilva explained, is then reinvested in the economy: one-third of revenues return to households and businesses through rebates and the remaining two-thirds helps diversify the energy industry and supports job growth.

Mitchell brought a private sector perspective to the table, presenting on the collaborative process that led to the development of Alberta’s Climate Leadership Plan. As Vice President at Cenovus Energy, a leading provider of oil sands in the province, Mitchell acknowledged the critical environmental challenge facing the company is the generation of high levels of GHGs. Cenovus and other industry leaders collaborated with environmental groups to limit negative

climate consequences, he explained. The resulting commitment to reduce methane, limit emissions, and price carbon became the foundation of the Climate Leadership Plan.

Hines took a broader view, discussing the merits and drawbacks of carbon pricing compared to cap-and-trade policies, the other primary legislative approach to limit GHG emissions. In comparison to carbon pricing, cap-and-trade policies lead to more predictable reductions in total emissions but also more volatile energy prices. Hines argued that hitting specific numerical reduction targets is less important than an overall commitment to combating climate change.

Following panelists’ presentations, Hughes moderated a discussion on the politics of the consensus-building process, how to bring industry to the emissions reduction table, and what are the best uses of revenues generated from carbon taxes. To watch a video of the event, visit kleinmanenergy.upenn.edu/events/pricing-carbon-lessons-canada.

CONVENING

A New Approach to Water Challenges

On March 30, Penn IUR, in partnership with Perry World House, Kleinman Center for Energy Policy, and the Humanities, Urbanism, and Design (H+U+D) Initiative, hosted a lunch talk with Henk Ovink, Special Envoy for International Water Affairs, Kingdom of the Netherlands and Principal, Rebuild by Design. “Resiliency and SDGs in a Changing Climate” focused on the growing hydrological problems created by climate change. Ovink was joined by Penn IUR Faculty Fellows Howard Neukrug, Professor of Practice, School of Arts and Sciences and Principal, CASE Environmental LLC; Frederick Steiner, Dean and Paley Professor, School of Design; and moderator Stefan AI, Associate Professor of City and Regional Planning, School of Design.

In his talk, Ovink stressed the gravity of the world’s current hydrological situation: all across the globe,

flooding, drought, and water pollution are on the rise. Quoting a recent report from the World Meteorological Organization, he said that we are in “truly uncharted territory” in terms of global water resources. Many countries are experiencing unprecedented flood levels, sea level rise is already threatening small island states, and dumping is threatening the supply of clean water.

Framing the problem solely in economic terms, he argued, fails to reflect the true cost to the poor and vulnerable. Further, he warned, climate change could become a matter of international security if water scarcity leads to conflict or war. He said that the world needs a new, transformative approach to water management—one that builds capacity, meets short- and long-term needs, and is both transparent and inclusive. While the Sustainable Development Goals

(SDGs) are a good starting point, a new approach must go beyond them if water overabundance, scarcity, and pollution are to be contained. Design, he said, will play a role in generating a new approach but ultimately the world needs leaders that will step up for the next generation.

Following Ovink’s talk, AI moderated a discussion among Ovink, Neukrug, and Steiner that delved deeper into Ovink’s proposal of a new approach. Neukrug argued that leaders will need the ability to communicate their vision to the public. Steiner cautioned that care must be taken to avoid getting locked into unsustainable design solutions. Ovink advocated for raising the price of water to reflect the societal cost of providing it.

FROM LEFT: Frederick Steiner, Dean and Paley Professor, School of Design; Henk Ovink, Special Envoy for International Water Affairs, Kingdom of the Netherlands and Principal, Rebuild by Design; Howard Neukrug, Professor of Practice, School of Arts and Sciences and Principal, CASE Environmental LLC; and Stefan AI, Associate Professor of City and Regional Planning, School of Design.



CONVENING

Working Together to Shape Global Urbanization

On April 4, Penn IUR, Perry World House (PWH), the Kleinman Center for Energy Policy, and *Next City* co-hosted a panel discussion on implementation of the New Urban Agenda (NUA), a set of global standards for sustainable urban development formally adopted at Habitat III in Quito, Ecuador in October 2016. Moderated by Tom Dallessio, President, CEO, and Publisher, *Next City*, the panel featured participants from across sectors: Ian Klaus, PWH Visiting Fellow, Former Senior Advisor for Global Cities, U.S. Department of State; Sarah Wu, Deputy Director, Office of Sustainability, City of Philadelphia; and Penn IUR Faculty Fellow Mark Alan Hughes, Professor of Practice in City and Regional Planning, School of Design and Faculty Director, Kleinman Center for Energy Policy.

A screening of “The Moment to Get Cities Right: Inside Habitat III, the Urbanization Summit of a Generation,” a

mini-documentary shot over the course of the four-day Habitat III conference, preceded the panel discussion. Ariella Cohen, Editor-in-Chief, *Next City*, introduced the film, co-produced by the Lincoln Institute of Land Policy and *Next City*, as a window into the moment when the NUA was adopted.

Following the film, panelists reflected on the challenges of working together to shape global urbanization: Klaus enumerated the conceptual, organizational, and implementation challenges of pursuing a common, worldwide approach to urbanization, while Hughes offered Kleinman’s Pathways Project—which uses scenario-building to test four different policy strategies for Philadelphia—as a model for creating a common understanding of different policy approaches. Wu shared lessons learned in implementing Philadelphia’s Greenworks plan, stressing in particular the importance

of talking to people on-the-ground in order to achieve public buy-in.

This event continues the work Penn IUR, PWH, and the Kleinman Center have been doing over the past year to increase engagement and further discussion around the NUA. Penn IUR mounted an exhibit at Habitat III showcasing urban-focused research and publications from across the University, including at PWH and the Kleinman Center. In the year preceding Habitat III, Penn IUR and PWH helped shape the conversation leading up to the world conference by hosting public dialogues and, in the months since adoption of the NUA, have continued to examine its implementation.

To watch the mini-documentary, visit the “Events” section of the Penn IUR website (penniur.upenn.edu).

PUBLICATION

Book Launch: *Governing the Fragmented Metropolis: Planning for Regional Sustainability*

On March 28, Penn IUR hosted a launch event for *Governing the Fragmented Metropolis: Planning for Regional Sustainability* by Christina Rosan, Professor of Geography, Temple University (University of Pennsylvania Press, 2016). A recent book in the Penn IUR / Penn Press The City in the 21st Century series, *Governing the Fragmented Metropolis* argues for a nuanced understanding of metropolitan development and local land use planning and explores various approaches to development and governance across the nation's metropolitan regions.

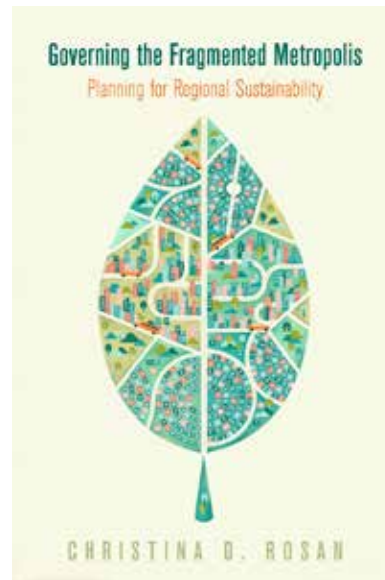
In her talk, Rosan compared the metropolitan planning processes employed by Boston, Denver, and Portland. Boston's Metro Area Planning Council (MAPC), she explained, is a purely capacity-building organization with no authority; to implement its plans, MAPC partners with entities that have authority or funding. Denver's Regional Council of Governments (DRCOG), she said, has both a capacity-building role and responsibility to direct federal funding for transportation infrastructure; its funding authority has helped Denver link regional land use with transportation plans. Portland's METRO, said Rosan, is unusual among American regional planning entities in that

it has the authority to mandate consistency among local and regional plans and to limit development outside the city. While this authority allows METRO to enforce plans, Rosan argued that it still needs moral authority in order to be seen as a

positive force that helps communities reach shared goals.

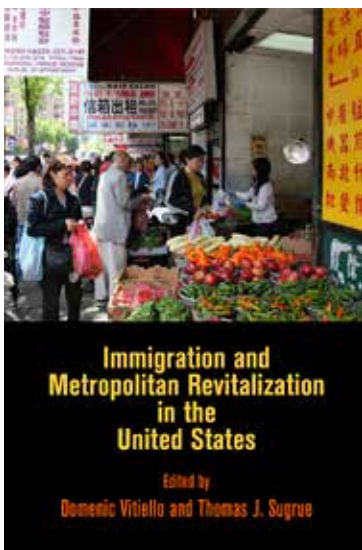
She explained that Boston, Denver, and Portland represent a spectrum of metropolitan planning approaches from collaborative to authoritative. By understanding the current, hybrid systems of local land use planning and metropolitan governance, she argued that stakeholders can be better prepared to make use of and to support the political arrangements and tools needed to create sustainable metropolitan regions.

The City in the 21st Century book series, edited by Penn IUR Co-Directors Eugénie Birch and Susan Wachter and published by University of Pennsylvania Press, explores the depth and breadth of contemporary urban scholarship across a wide range of disciplines and represents a cross-section of research and experience on the city across the developed and developing world. To view the full list of titles in the series and to buy *Governing the Fragmented Metropolis: Planning for Regional Sustainability* visit upenn.edu/pennpress/series/C21.html.



PUBLICATION

New Volume in C21 Series Released



The latest release in Penn IUR and Penn Press's The City in the 21st Century (C21) book series, *Immigration and Metropolitan Revitalization in the United States*, edited by Penn IUR Faculty Fellow Domenic Vitiello and Thomas J. Sugrue, documents immigrant-led revitalization of American cities. In ten chapters written by a diverse collection of urban historians and other social scientists, the volume explores the benefits and opportunities of immigration for cities and neighborhoods.

Contributors explore the effects of immigration on metropolitan revitalization, with chapters examining different measures of revitalization and different accounts of what it means for a community to be revitalized. They examine the effects on various receiving destinations: cities big and small, low-wage and higher-income, highly

planned or more informal. Contributors also look at the complicated politics of revitalization and immigration, exploring how the diversity of responses to immigration plays out on the physical and political landscape of metropolitan areas. Two chapters explore the transnational effects of immigrant-led revitalization, examining how immigration to American cities affects the communities that immigrants left.

The book offers a new perspective on the revitalization many American cities have experienced in recent decades, showing that immigration, both legal and illegal, has played a dominant role in boosting city vibrancy.

For a list of all books in the C21 series, and to buy *Immigration and Metropolitan Revitalization in the United States*, visit upenn.edu/pennpress/series/C21.html.

PUBLICATION

Book Launch: *The Strip: Las Vegas and the Architecture of the American Dream*

On March 20, Penn IUR celebrated the publication of *The Strip: Las Vegas and the Architecture of the American Dream* (The MIT Press, 2017) by Penn IUR Faculty Fellow Stefan Al, Associate Professor of City and Regional Planning, School of Design. His presentation, like his book, featured vivid imagery of architecture and signage along the Las Vegas Strip.

Al began by walking the audience through the Strip's architectural history, arguing that the area's many physical transformations have both reflected

and amplified changes in America's popular culture. When the country was fascinated with the Wild West in the 1940s, for example, western-themed casinos like El Rancho were built. As the century progressed, other images supplanted the Wild West in the American imagination and on the Las Vegas Strip: ever-more-elaborate swimming pools, space-age atomic imagery, sleek Corporate Modern style, Disney-like theme parks, and the re-creation of famous landmarks from other cities all took hold in Las Vegas in different decades.

Al also discussed how the contradictions and excesses of American culture find expression on the Las Vegas Strip. For example, casinos celebrate natural landscapes with fake lakes and mountains even as neighboring Lake Mead shrinks because of the city's growing environmental footprint. He explained how developers tear down functional buildings to make way for newer, bigger, more innovative structures and compared this process to America's consumer culture, which generates trash in pursuit of novelty.



Image by Matthew Field, photography.mattfield.com, via Wikimedia Commons

PUBLICATION

Book Launch: *The Unbanking of America: How the New Middle Class Survives*

On January 23, Penn IUR and the School of Design co-hosted a book talk to launch the publication of *The Unbanking of America: How the New Middle Class Survives* (Houghton Mifflin Harcourt, 2017) by the School of Design's newest faculty member and Penn IUR Faculty Fellow Lisa Servon, Professor of City and Regional Planning and Chair, Department of City and Regional Planning, School of Design. Penn IUR Faculty Fellow John Landis, Professor of City and Regional Planning, School of Design, introduced Servon and welcomed a diverse group of faculty, students, and members of the public. Combining firsthand stories with macro-level policy explanations, Servon described the changing relationship between traditional banks and consumers in the United States and proposed a shift in thinking about consumer financial health.

To frame the discussion, Servon cited a 2015 survey conducted by the FDIC that found that 7 percent of U.S. households are "unbanked" (do not have a bank account) and another 20 percent are "underbanked" (use alternative financial products and services). These alternatives, such as payday lenders and check-cashing businesses, are widely considered predatory institutions. Why, she asked, were so many Americans turning to these services? Servon went beyond literature reviews and surveys to answer this question, conducting fieldwork as a teller at RiteCheck, a check-cashing business in the South Bronx, and as a payday lender at Check Center in Oakland, California.

Citing stories from these experiences during her talk, Servon argued that consumers choose alternative financial services over banks for three main reasons: greater transparency of offers and fees; lower

transaction costs (both in dollars and time); and much more personal customer service.

Servon argued that the country is in a state of chronic financial instability, citing the increasing unpredictability of incomes, threats to public and private safety nets, and, until very recently, declining wages. To make financial health attainable and sustainable for all Americans, changes in both the private and public sector are needed, she said, and suggested several possible reforms including alternative credit scoring, "nutrition fact" boxes on financial products, and the continuation of the Consumer Financial Protection Bureau. Finally, recognizing that bank accounts are not the only avenue to financial stability, she called for a shift away from terms such as "unbanked" to a conversation instead about overall financial health.

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BIRCH KEYNOTES DRESDEN CONFERENCE

Eugénie Birch, Co-Director, Penn IUR, and Lawrence C. Nussdorf Professor of Urban Research and Education and Chair, Graduate Group in City and Regional Planning, Department of City and Regional Planning, School of Design, gave the keynote address, "Making Cities Inclusive, Safe, Resilient and Sustainable, The Hunt for the Nexus," in May at the Dresden Nexus Conference in Germany. She wrote several articles and spoke widely on sustainable global urbanization, including most recently articles in the July issues of *Informationen zur Raumentwicklung*, *Cityscape*, and *Cityscope* and speeches in June at the Wilson Center in Washington, D.C. and in May at the Consortium for Sustainable Urbanization's Conference on Gateways and Portals to the City at the United Nations in New York City. With Penn IUR Project Manager Amanda Lloyd, she delivered in June the final report on innovation in higher education to the State of Connecticut (see page 1).



BROWNLEE AWARDED "GLOBY"

David Brownlee, Frances Shapiro-Weitzenhoffer Professor of 19th Century European Art, Department of History of Art, School of Arts and Sciences, received a lifetime achievement award from the Global Philadelphia Association for his contributions as an international scholar, public citizen, and teacher. In addition, the second, revised edition of his *Building the City Beautiful: The Benjamin Franklin Parkway and the Philadelphia Museum of Art* will appear in the fall.



BURKE-WHITE INTERVIEWED ON GLOBAL CHALLENGES

William Burke-White, Richard Perry Professor and Inaugural Director, Perry World House (PWH) and Professor of Law, was interviewed in the summer issue of *Penn Law Journal* on global challenges and Perry World House and on the May 11 and August 4 Knowledge@Wharton podcast on Venezuela's economic crisis. Additionally, he wrote an op-ed on the PWH blog on why Trump's withdrawal from the Paris Accord is unlikely to relieve the United States of its international legal obligations because of the expanded role of substrate actors in global climate politics. He also delivered lectures on the Responsibility to Protect at Yale, on the challenge of great power relations at William and Mary, and hosted a conference on the United States, China, and International Law at the Penn Wharton China Center in Beijing.



DANIELS PRESENTS ON STORMWATER MANAGEMENT

Tom Daniels, Professor of City and Regional Planning, School of Design, received an Erasmus Mundus Fellowship from the European Commission through the University of Venice IUAV in the spring of 2017. Daniels travelled to Venice where he gave presentations on green infrastructure for stormwater management and urban planning in the 21st century, drawing on his work as an associate in the Science to Achieve Results (STAR) grant project, funded by the EPA. He will be presenting a talk sponsored by Penn IUR entitled "Venice: Charms and Challenges" on October 10.



DIULIO WRITES ON BIG GOVERNMENT

John Dilulio, Jr., Frederic Fox Leadership Professor of Politics, Religion, and Civil Society, and Director, Robert A. Fox Leadership Program, Department of Political Science, School of Arts and Sciences, wrote "10 questions and answers about America's 'Big Government,'" on the Brookings Institution blog. His writing was quoted extensively in George Will's nationally syndicated column in late February on the hidden growth of government.



DURANTON ON URBAN ACCESSIBILITY, ROAD CONGESTION

Gilles Duranton, Dean's Chair in Real Estate Professor and Chair, Department of Real Estate, The Wharton School, produced a working paper on traffic congestion in Bogotá, Colombia and was interviewed about his research on this topic on the March 24 Knowledge@Wharton podcast. Additionally, his 2011 paper (with Matthew Turner of Brown University) about road congestion was cited in a March 8 *New York Times* article on self-driving cars.



GADSDEN'S NATIONAL ACADEMIES REPORT CATALYZES SYMPOSIUM

Vivian Gadsden, William T. Carter Professor of Child Development and Education and Director of the National Center on Fathers and Families, Graduate School of Education, delivered the closing remarks at the "Parenting Matters" symposium held in Omaha, Nebraska in June. The symposium stemmed from "Parenting Matters: Supporting Parents of Children Ages 0-8," a report from the National Academies of Sciences, Engineering, and Medicine that describes key aspects of parenting that matter for young

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children and identifies effective interventions; Gadsden chaired the report's writing committee. Gadsden, immediate past president of the American Educational Research Association, also delivered this year's Presidential Address, entitled "The Promise of Education Research and the Public Trust," which examined the past and present successes and failings of educational equality, at the Annual Meeting San Antonio, Texas.



LANDIS RESEARCHES SPRAWL TRENDS

John Landis, Crossways Professor of City and Regional Planning, Department of City and Regional Planning, School of Design, has taken a comprehensive look at sprawl trends in more than 100 metro areas since 1990, concluding that while sprawl has declined ever-so-slightly, the decline is not due to the adoption of state and local smart growth programs. His findings are published online in the article "The End of Sprawl, Not So Fast," in *Housing Policy Debate*, and will be coming out in print form in fall 2017. Another article, "Intersecting Residential and Transportation CO₂ Emissions: Metropolitan Climate Change Programs in the Age of Trump," co-authored by Penn IUR Faculty Fellow and planning professor Erick Guerra and MIT professor David Hsu, will be coming out shortly in the *Journal of Planning Education and Research*; it looks at the potential for residential energy conservation standards and compact growth policies to reduce CO₂ emissions in eleven large U.S. metropolitan areas in light of the Trump administration's withdrawal from the Paris Climate Agreement.



GUERRA'S BEYOND MOBILITY FORTHCOMING

Erick Guerra, Assistant Professor in City and Regional Planning, School of Design, published recent articles on the relationship between urban form and household transit expenditures in Mexico City, consumers' willingness to adopt electric motorcycles in Indonesia, Philadelphians' stated willingness to use self-driving buses, and the many ways that Mexico City's residents avoid license-plate-based car restrictions. His book *Beyond Mobility* (Island Press) with Robert Cervero (UC Berkeley) and Stefan Al (Penn) comes out in December 2017.



HOLOD CONTRIBUTES CHAPTERS, REDESIGNS EXHIBITS

Renata Holod, College for Women Class of 1963 Professor in the Humanities, Department of History of Art, School of Arts and Sciences, contributed chapters to several books: "Jerba in the 3rd/9th century CE: Under Aghlabi Control?," with Tarek Kahloui, in Anderson, Fenwick, and Rosser-Owen, eds., *The Aghlabids & their Neighbors*; and "Guarding a Well-Ordered Space on a Mediterranean Island," with Tarek Kahloui, in Eger, ed., *On Frontiers*; and "Approaching the Mosque: Birth and Evolution" in *The World of the Mosque: Magnificent Designs* (Rizzoli). She also presented at Temple University in February on "Lighting the Great Mosque of Cordoba" and in June at Oxford University on "How were the traces of their edifices erased?" Additionally, she prepared several exhibits in the redesign of the Middle East galleries at the Penn Museum.



KIM WINS INNOVATION IN TEACHING AWARD

David Kim, Assistant Professor, Department of History of Art, School of Arts and Sciences, received the 2017 Dean's Award for Innovation in Teaching. The award is presented annually to School of Arts and Sciences faculty who have made use of innovative teaching techniques in the service of outstanding teaching.



LUM'S MONUMENT LAB RETURNING TO PHILLY

Ken Lum, Professor of Fine Arts and Director, Undergraduate Fine Arts program, School of Design, continues his work on Monument Lab, a public art project that originally took place in the Philadelphia City Hall Central Courtyard in 2015. The fall of 2017 iteration of the project will feature temporary monuments at 10 sites around the city designed by artists from around the world, including noted Cuban artist Tania Bruguera. Additionally, he recently completed a large bronze sculpture that will soon be installed in Toronto, continues work on a sculpture to be installed in Edmonton, and is preparing for a solo museum show in March 2018 at the Wattis Institute for Contemporary Arts in San Francisco. He recently launched a website: kenlumart.com.



MACDONALD ELECTED AEC FELLOW

John MacDonald, Professor of Criminology and Sociology, Department of Criminology, School of Arts and Sciences, and Penny and Robert A. Fox Faculty Director, Penn's Fels Institute of Government, has been elected a fellow of the Academy of Experimental Criminology (AEC) for his success in leading randomized, controlled field experiments in criminology.

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MASON WINS TEACHING AWARD

Randy Mason, Chair, Graduate Program in Historic Preservation and Associate Professor, City and Regional Planning, School of Design, won the School of Design's 2017 Distinguished Teaching Award. Mason teaches courses on historic preservation planning, urban conservation, history and cultural landscape studies.



MATHUR WINS PEW FELLOWSHIP

Anuradha Mathur, Professor, Department of Landscape Architecture, School of Design, was awarded a Pew Fellowship for 2017 jointly with her partner Dilip da Cunha in recognition of their collaborative work that imagines new possibilities for the design of the built environment and that challenges the lines separating land and water, urban and rural, formal and informal environments, among others. In May they presented at the GIDEST (Graduate Institute for Design, Ethnography, & Social Thought) seminar at the New School in New York, and in November they will be keynote speakers at the IFLA (International Federation of Landscape Architects) Conference in Bangkok.



PERNA EDITS SPECIAL ISSUE ON STUDENT DEBT

Laura Perna, James S. Riepe Professor and Chair, Division of Higher Education, and Executive Director, Penn AHEAD, Graduate School of Education, guest edited (with Nicholas Hillman) the May 2017 special issue of the *ANNALS of the American Academy of Political and Social Science*. The issue focused on student debt, federal loan repayment programs, and strategies for reducing repayment burdens. In June, the Penn-Wharton Public Policy Initiative released a policy brief on the volume.



PRITCHETT NAMED PROVOST

Wendell Pritchett was named the 30th provost of the University of Pennsylvania, effective July 1. He remains the Presidential Professor of Law and Education in Penn's Law School.



RYERSON WINS NATIONAL ACADEMIES BEST PAPER AWARD

Megan Ryerson, Assistant Professor of City and Regional Planning and Electrical and Systems Engineering, Department of City and Regional Planning, School of Design, has received the Transportation Research Board (TRB) of the National Academies' 2016 Fred Burggraf Award. One of the highest honors presented by TRB, the international award recognizes the year's best research paper by researchers 35 years of age or under. Ryerson received the award for her paper "Building Air Service Sustainability: Analytical Approach to Documenting Air Carrier Incentive Programs in Airport Sustainability Plans."



SHARKEY PUBLISHES A HISTORY OF MUSLIMS, CHRISTIANS, AND JEWS IN THE MIDDLE EAST

Heather Sharkey, Professor of Middle Eastern and Islamic Studies, Department of Near Eastern Languages and Civilizations, School of Arts and Sciences, authored *A History of Muslims, Christians, and Jews in the Middle East* (Cambridge University Press, 2017). In it, she examines the intercommunal relations between members of different religious groups in the Middle East during the modern period up to World War I.



SMITH WRITES ON R&D, METHODS OF SPATIAL ANALYSIS

Tony Smith, Professor of Systems Engineering and Regional Science, Department of Electrical and Systems Engineering, School of Engineering and Applied Science, co-authored, with Gerald A. Carlino, Robert M. Hunt, Jake K. Carr and Kristy Buzard, "The Agglomeration of American R&D Labs" in *Journal of Urban Economics* (May 2017); with Jacob Dearmon, "Local Marginal Analysis of Spatial Data: A Gaussian Process Regression Approach with Bayesian Model and Kernel Averaging," in *Spatial Econometrics*, Vol.37, ed. Batalgie, et al.; and, with Jacob Dearmon, "Gaussian Process Regression and Bayesian Model Averaging: An alternative approach to modeling spatial phenomena," in *Geographical Analysis* (January 2016).



SPOONER STUDIES CITY IN WORLD HISTORY FOR PENN MUSEUM

Brian Spooner, Professor of Anthropology in the School of Arts and Sciences, has been working in his role as Curator

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for Near Eastern Ethnology in the Penn Museum on the story behind the new Middle East Galleries, which will open in the spring of 2018: the story is of the city in world history, from the emergence of the first cities in Mesopotamia in the 6th millennium BCE to the today's modern cities. He is particularly interested in the cities of the Babylonian and Persian empires of the Ancient World, and the Islamic cities of the mediaeval period. This research will be published in the Museum's companion volume to the new exhibit and in a special issue of the Museum's magazine, *Expedition*.



STEINHARDT PUBLISHES ON CHINESE ARCHITECTURE

Nancy S. Steinhardt, Chair of the Department of East Asian Languages and Civilizations, completed editing *Chinese Traditional Architecture: Twelve Lectures by Fu Xinian*, published by Princeton University Press in May. She also published "The Pagoda in Kherlen-Bars: New Understandings of Khitan-period Towering Pagodas" in *Archives of Asian Art*. She was Johanna Nichols Visiting Scholar in Taipei, Progress 100 Visitor at Fukuoka University, and gave a six-lecture series on Chinese architecture and urbanism at Southeast University. She spent June and July at the Center for Advanced Study in the Visual Arts working on the book *The Borders of Chinese Architecture*.



TOMLIN LECTURES IN SWEDEN, GERMANY, U.S.

Dana Tomlin, Professor, Department of Landscape Architecture, School of Design, spent a recent sabbatical lecturing in Sweden and Germany as well as the United States; writing about Map Algebra and Cartographic Modeling; continuing his work on the development of smart drawing, eye tracking, and remote sensing software; and initiating new research on the interpretation of histological imagery.



VITIELLO CO-EDITS IMMIGRATION AND METROPOLITAN REVITALIZATION IN THE UNITED STATES

Domenic Vitiello, Associate Professor and Assistant Chair, Department of City and Regional Planning, School of Design, co-edited with Thomas Sugrue (NYU), *Immigration and Metropolitan Revitalization in the United States*, a recent volume in the Penn Press / Penn IUR The City in the 21st Century series (for more on this book, see page 10). Additionally, he recently published two articles with Penn



VUCHIC CONSULTS ON WORLD BANK'S TIANJIN PROJECT

Vukan Vuchic, UPS Foundation Professor Emeritus of Transportation Engineering, Department of Electrical and Systems Engineering, School of Engineering and Applied Science, has been a foreign consultant to the China Sustainable Transportation Center for a World Bank-sponsored project on how to make Tianjin, China's third largest city, more green and livable. Additionally, his "Transit Trilogy" books have been translated into Turkish and published in Istanbul and he is taping an online course entitled "Public Transit for Livable Cities" that is scheduled to premiere in early 2018.



WACHTER KEYNOTES NORGES BANK CONVENING ON HOUSING FINANCE

Susan Wachter, Co-Director, Penn IUR, and Sussman Professor, Professor of Real Estate and Finance, Department of Real Estate, The Wharton School, delivered the keynote address at the Norge Bank International Conference on Housing Finance on August 28th in Oslo, Norway. Wachter's recent paper, "The Consequences of REIT Index Membership for Return Patterns," co-authored with Eva Steiner and Andrey Pavlov, received the Distinguished Research Prize at the 2017 NAREIT/AREUEA Conference. Among other media, Wachter recently appeared on the National Business Report on PBS and CNBC. The book launch for Wachter's edited volume, *Principles of Housing Finance Reform*, co-edited with Joe Tracy of the Federal Reserve Bank of New York, was held in April (see page 6).



WELLER'S "ATLAS" GARNERS ATTENTION

Richard Weller, Martin and Margy Meyerson Chair of Urbanism and Professor and Chair of Landscape Architecture, was featured in *National Geographic* for his "Atlas for the End of the World," which maps conflicts between urbanization and biodiversity. This project has also been covered in *Scientific American* "Observations" blog, *Landscape Architecture Beyond Borders*, and *Planetizen*, among others. The Atlas has received an average of over 1,000 visitors per day since its launch in late April.

CONVENING

Shifting Global Populations

On April 21, more than 300 people met to discuss the sustainability of urbanization, the unprecedented scale of migration, and the consequences of worldwide demographic change.

"Global Shifts: Urbanization, Migration, and Demography: An Examination of Marginalization and Inequality," convened by Perry World House (PWH) and cosponsored by Penn IUR and others, examined how the interconnected trends of urbanization, migration, and demographic change are individually and collectively shifting the world's populations and settlement patterns. The symposium was PWH's first annual conference exploring its inaugural research theme "Global Shifts," on which Penn IUR is excited to partner.

Penn IUR Faculty Fellow William Burke-White, Director, Perry World House, welcomed the crowd and introduced the day's topic. Samantha Power (HON'15), U.S. Permanent Representative to the United Nations (2013-2017), gave the keynote address, speaking on the worldwide refugee crisis. Criticizing the Trump administration's refugee policies, Power stressed the scale of the crisis and the dangers of America's failure to lead by example.

Penn IUR Co-Director Susan Wachter moderated the symposium's morning panel entitled "Urban Marginalization," which featured an opening address by Jockin Arputham, President, Slum/Shack Dwellers International and Perry World House Visiting Fellow. Arputham spoke on the impact of inequality in India and how informal settlements shape society. Following his remarks, Wachter moderated a conversation on the causes and consequences of urban marginalization among Arputham, Aisa Kirabo Kacyira, Deputy Executive Director, UN-Habitat, and Hilmar von Lojewski, Head of Department, Urban Development, Building,

Housing and Transport, Association of German Cities.

The symposium's afternoon panel, entitled "Migration and Inequality," featured remarks by Anne Richard, Assistant Secretary of State for Population, Refugees, and Migration (2012-2017) and Perry World House Visiting Fellow and discussion among panelists T. Alexander Aleinikoff, Former United Nations Deputy High Commissioner for Refugees, Professor and Director, Zolberg Institute on Migration and Mobility, the New School for Social Research; Arafat Jamal, Head, Inter-Agency Coordination, UNHCR; and Kica Matos, Director of Immigrant Rights and Racial Justice, Center for Community Change. Susan Martin, Founder, Institute for the Study of International Migration, Georgetown University, Donald G. Herzberg Professor Emerita of International Migration, moderated.

At the symposium, Penn IUR and PWH revealed the winners of a related photography contest (see story, below, and photos opposite page).

Penn IUR also welcomed symposium participants to its annual MUSA Earth Day event, which took



FROM LEFT: William Burke-White, Director, Perry World House, and Samantha Power, U.S. Permanent Representative to the United Nations (2013-2017)

place during the symposium's lunch break. Deborah Balk, Associate Director, Institute for Demographic Research, City University of New York (CUNY) gave a lecture entitled "Urbanization, Migration, and Climate Change: What Can We Learn From a Spatial Perspective?" (see page 5 for more on this event)

Penn IUR's support of PWH's annual conference is part of a broader collaboration between the two University research hubs in their joint examination of the theme "urbanization, migration, and demography." Activities include a series of conferences and publications that link Penn's research on this issue to the global policy community.

CONTEST

Photo Contest Winners Announced

Prior to the "Global Shifts: Urbanization, Migration, and Demography: An Examination of Marginalization & Inequality" symposium (see article above), Penn IUR and Perry World House (PWH) held a photography contest on the theme of urbanization and migration (see winning photos opposite page). The winning photograph, "Swayambhunath Monkey," taken by Ashley Napier in Katmandu, Nepal, alludes to the precarious balance between urbanization and preservation of place.

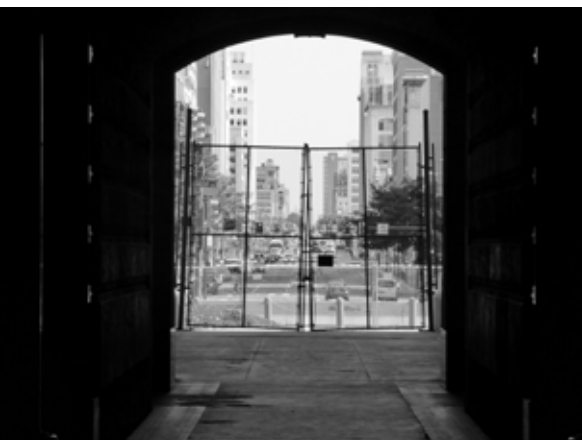
The runners-up were Madeleine Goldberg for "Dharavi," which depicts the stark contrast between Mumbai's slums and its soaring skyscrapers, and Jibreel K. Riley for "Ghost Corridors," a haunting image of urban flight in Buffalo, NY.

Three additional submissions received honorable mentions: "Mr. H" by Francisco Garcia; "Light at the End of the Tunnel" by Hari Krishnan; and "Gated Center City" by Jared Kofsky.

The winner and runners-up were announced at the "Global Shifts: Urbanization, Migration, and Demography" symposium, held April 21 at PWH. The contest was judged by the symposium's panel of experts, including PWH Visiting Fellows, who looked for compelling images that emphasize the relationships between urbanization, migration, and marginalization.



CLOCKWISE FROM TOP RIGHT: "Swayambhunath Monkey," by Ashley Napier; "Dharavi," by Madeleine Goldberg; "Ghost Corridors," by Jibreel K. Riley; "Gated Center City," by Jared Kofsky; "Light at the End of the Tunnel" by Hari Krishnan; and "Mr. H" by Francisco Garcia.



CONVENING

Pensions Working Group Discusses Transparency

In the spring of 2017, Penn IUR, under the leadership of Advisory Board member Mark Rosenberg, convened two roundtables in New York City on the problem of underfunded pensions and its implications for municipal finance. Through these meetings, Penn IUR is exploring challenges and opportunities related to market transparency and public understanding of this issue.

The first meeting, held on March 10, included ten participants from finance and academia.

Conversation centered around the question of transparency and, specifically, how Penn IUR can promote public transparency about the state of individual city pension systems. Participants agreed that Penn IUR should investigate approaches to better informing the market and the public about the state of municipal pension funds and should convene various stakeholders (such as bond rating companies, unions, municipalities, pension consulting firms, and Open Gov) to debate the feasibility of any potential approaches identified.

At the second meeting, on May 15, participants discussed the geographic and political variations on the basic problem of underfunded pensions, the common drivers of the problem, the impact on state and local budgets, and successful strategies for mitigating the problem.

Additional Penn IUR Pensions Working Group meetings are planned for 2017-2018 to further explore issues of transparency and municipal solvency.

INSTRUCTION

Penn's Humanities, Urbanism, and Design (H+U+D) Initiative Concludes Fourth Year

The Penn Humanities, Urbanism, and Design (H+U+D) Initiative, a joint project of the School of Design and the School of Arts and Sciences funded by the Andrew Mellon Foundation, concluded its penultimate year working to bridge the gaps between urbanists in the humanities and design disciplines. In the spring semester, the five-year H+U+D Initiative, co-directed by Penn IUR Co-Director Eugénie Birch and Penn IUR Faculty Fellow David Brownlee, Frances Shapiro-Weitzenhoffer Professor of 19th Century European Art and Chair, Graduate Group in the History of Art, School of Arts and Sciences, continued support and programming for its Faculty Colloquium, presented the Annual H+U+D public lecture, and sponsored graduate and undergraduate city seminars.

The Faculty Colloquium is the core of Penn's Initiative, designed to build partnerships among the humanities and design faculty interested in urbanism. Its 20 members meet twice a month throughout the semester. In the spring semester, Colloquium members hosted presentations from Penn faculty, student research awardees, and took part in two field trips: to the Jewish Museum in New York City on February 3 to tour the "Pierre Chareau: Modern Architecture and Design" exhibit and talk with Guest Curator Esther da Costa Meyer, Professor, Art and Archaeology, Princeton University, and to the Athenaeum of Philadelphia on March 17 to view the exhibition "Laying Tracks and Laying Foundations: Building for the Railroad," followed by discussion with Curator of Architecture Bruce Laverty.

Each year, Penn IUR cosponsors the Annual H+U+D Lecture. This year's lecturer, Penn IUR Scholar



Students traveled to Paris for a H+U+D-sponsored course. Photo by H+U+D Undergraduate City Seminars.

Alan Greenberger, Distinguished Professor of Architecture and Fellow, Lindy Institute, Drexel University, presented "Reflections on Romaldo Giurgola: My Guide and Mentor" on January 25. Greenberger discussed the career of the renowned Italian architect Giurgola, who was a professor at the University of Pennsylvania in the 1950s and 60s. Having worked with Giurgola for many years, Greenberger provided a sympathetic analysis of Giurgola's early buildings, which are known for pushing back against modernist orthodoxies and helping to make Philadelphia a hotbed of design thinking and innovation. Greenberger traced Giurgola's early ideas through his later work at Columbia University and in Australia, where he moved after winning the international competition

to design the National Parliament House.

H+U+D also supports graduate and undergraduate courses and student research awards. In the spring semester, H+U+D offered a graduate seminar cross-listed with the Department of Landscape Architecture and French and Francophone Studies entitled "Paris and Philadelphia: Landscape and Literature of the 19th Century," sponsored a domestic city seminar entitled "The Wire and The City" for which students studied and visited the city of Baltimore, and sponsored an international city seminar entitled "Paris Modern" for which students visited Paris.

To learn more about the H+U+D Initiative, visit humanitiesurbanismdesign.com.

PUBLICATION

Housing, Opportunity, and the Transformation of Economies

In the spring of 2017, Penn IUR published “Housing and Opportunity,” by Penn IUR Emerging Scholar Arthur Acolin and Penn IUR Co-Director Susan Wachter. The brief summarizes the findings of the research presented in “Opportunity and Housing Access,” published in *Cityscape* in March 2017 as part of an edited volume

of articles
the Federal
Reserve
Bank’s
2016

“Reinventing Our Communities, Transforming Our Economies” conference.

Acolin and Wachter present evidence that spatial inequality in America is growing, with lower-skill and lower-income households increasingly limited by high housing costs in their options of where to live. The authors show that the cities and neighborhoods from which these households are excluded tend to have more amenities (including, importantly, better schools). Acolin and Wachter demonstrate how this growing spatial inequality affects opportunity: areas with higher incomes and higher housing cost growth—i.e. those places in which fewer lower-skill workers are living—are also those with higher levels of upward economic mobility for children born in lower-income families. Increasing access to affordable housing in places of opportunity and increasing opportunity in places with more affordable housing, they argue, are essential strategies for creating more inclusive, equitable metropolitan areas.

The brief summarizes research found in the March 2017 issue of *Cityscape*, guest edited by Penn IUR Co-Director Susan Wachter with William Lambe, Federal Reserve Bank of Atlanta, and Theresa

Singleton, Federal Reserve Bank of Philadelphia, that highlighted strategies to create places of opportunity, develop the local workforce for a global marketplace, and provide wealth and opportunity inclusively to all segments of the population. In addition to Acolin and Wachter’s article, the special issue included an introduction by the guest editors and the following papers by leading researchers: “Revamping Local and Regional Development Through Place-Based Strategies” by Andrés Rodríguez-Pose and Callum Wilkie, “The Role of Skills and Jobs in Transforming Communities” by Penn IUR Scholar Harry J. Holzer, “Education Reform in the Post-NCLB Era: Lessons Learned for Transforming Urban Public Education” by Penn IUR Faculty Fellow Matthew P. Steinberg and Rand Quinn, and “Producing Affordable Housing in Rising Markets: What Works?” by Lance Freeman and Jenny Schuetz.

The full text of the special issue can be found on the “Past Issues” section of the *Cityscape* website (huduser.gov/portal/periodicals/cityscape.html). The Penn IUR brief can be found on the “Publications” section of the Penn IUR website (penniur.upenn.edu).



COMPUTER VISION AND REMOTE SENSING IN SPATIAL ANALYSIS

MEYERSON HALL, LOWER GALLERY | NOVEMBER 15, 11:00 AM – 2:00 PM

In celebration of national GIS Day, Penn IUR, MUSA, the Department of City and Regional Planning, and the Wharton GIS Lab are cosponsoring this event featuring Rob Emanuele, Vice President of Research and Technical Lead on the GeoTrellis Team, Azavea; Abhishek Guar, Deep Learning Engineer, Neurala, Inc; and Chris Holmes, SVP, Product Architecture, Planet.

VISIT PENNIUR.UPENN.EDU/EVENTS FOR DETAILS.

INSTRUCTION

Penn IUR Undergraduate Urban Research Colloquium

In the spring of 2017, Penn IUR sponsored the 13th annual Undergraduate Urban Research Colloquium (UURC), an advanced research seminar for undergraduate scholars from across the University with an interest in urban-focused research. This seminar provides students with urban research experience and connects them with faculty mentors with expertise in their fields of interest. Students receive credits through the School of

Design's City and Regional Planning Department or the School of Arts and Sciences' Urban Studies Program.

Six undergraduate students from the School of Arts and Sciences and the Wharton School and six faculty mentors from the School of Arts and Sciences and School of Design participated in the program. Over the course of the semester, students

visited the Architectural Archives at Penn, attended a documentary film screening, and participated in data gathering and sharing exercises to further their analytic skills. Faculty and researchers from across the University visited the class to present various approaches to urban inquiry.

The 2017 UURC student-faculty pairs, and the topics on which they worked, are below.

Crystallizing a Discourse of 'Khalijiness': Exclusion and Citizenship in the Arab Gulf States

Student: KHALED ABDULKARIM, Huntsman Program in International Studies & Business

Faculty Mentor: HEATHER SHARKEY, Near Eastern Languages and Civilizations

Conventional Benefits? Examining the Revitalization Outcomes of the 2016 Democratic and Republican National Conventions in Philadelphia and Cleveland

Student: NOAH HOLLIN, Urban Studies

Faculty Mentor: MARY ROCCO, Urban Studies

The Preservation of Historic Sounds: Community Efforts to Restore and Maintain the Paul Robeson and John Coltrane Houses

Student: MICHAEL JEAN, History and English

Faculty Mentor: MOLLY MCGLONE, Urban Studies

In My Back Yard: Housing Insecurity and Informal Responses in Cape Town, South Africa

Student: MIRA KAPLAN, Urban Studies

Faculty Mentor: EUGÉNIE BIRCH, City and Regional Planning

Urban Ageing Policies in Philadelphia and Daegu

Student: SEYEON KIM, Sociology

Faculty Mentor: HANS-PETER KOHLER, Sociology

Martin Wagner, Urban Planner in Exile: An Exploration of the Physical Manifestations of Martin Wagner's theoretical and philosophical idea

Student: ANDRO MATHEWSON, Germanic Languages

Faculty Mentor: ANNA VALLYE, Architecture

INSTRUCTION

Penn IUR Urban Doctoral Activities

Each spring semester, Penn IUR cosponsors the annual Urban Doctoral Symposium to give urban-focused doctoral-level researchers an opportunity to present their research and to make connections with other urban scholars across disciplines. Penn IUR, in collaboration with the Penn Urban Studies

Program, hosted the 13th annual Urban Doctoral Symposium on May 12, which celebrated the achievements of graduating doctoral students who have completed dissertations on urban-focused topics. The four graduating students and their topics of study were:

JULIA MCWILLIAMS

Anthropology and Education, School of Arts and Sciences

Branding Against Closure: Philadelphia Neighborhood Schools and the Management of Risky Futures

ANTHONY PRATCHER II

History, School of Arts and Sciences

Occupational Inequality, Racial Integration, and the Spatial Development of Maryvale, Phoenix, 1970-1990

CHIA-HUI LU

East Asian Studies and Folklore, School of Arts and Sciences

Healing at the Borderland of Medicine and Religion: A Folklore Study of Health Care in Taiwan

THEODORE LIM

City and Regional Planning, School of Design

Land, Water, Infrastructure & People: Considerations of Planning Distributed Stormwater Management Systems

Following welcoming remarks from Penn IUR Co-Director Susan Wachter, Dawn Bonnell, Vice Provost for Research, and Penn IUR Faculty Fellow Mark Stern, Co-Director, Urban Studies Program, offered their congratulations to the graduating students. Penn IUR Faculty Fellow Elaine Simon, Co-Director, Urban Studies Program, School of Design, closed the event by applauding the graduates and their interdisciplinary approach to studying cities.



Anthony Pratcher II presents his research on inequality and development in Maryvale, Phoenix.

PENN IUR URBAN BOOK TALK WITH DOMENIC VITIELLO

IMMIGRATION AND METROPOLITAN REVITALIZATION IN THE UNITED STATES



Penn IUR Faculty Fellow Domenic Vitiello, Assistant Professor, City and Regional Planning, School of Design, will speak on immigrant-led urban revitalization, drawing on his book, edited with Thomas Sugrue, *Immigration and Metropolitan Revitalization in the United States*, which is the latest book in *The City and the 21st Century Book series* published by Penn Press and edited by Penn IUR Co-Directors Eugénie Birch and Susan Wachter.

PENN BOOKSTORE, 2ND FLOOR | SEPTEMBER 12, 5:00 - 6:00 PM

CONVENING

Higher Ed Leads on Innovation

(CONTINUED FROM P. 1)

education's collective capacity to catalyze a thriving innovative economy and incubate an entrepreneurial workforce across the state; establish a strategic roadmap to promote collaboration and cooperation among the state's colleges and universities; and identify funding priorities for state-funded higher education entrepreneurship grants. Penn IUR managed the project and drafted the Working Group's plan, *Entrepreneurship & Innovation in Connecticut's Higher Education System: A Catalytic Roadmap for Higher Education Collaboration*.

The plan assesses the state's current assets and opportunities in relation to innovation and entrepreneurship in higher education, offers

a set of recommendations to strengthen the innovation ecosystem across its colleges and universities and lists criteria for evaluating grant applications. It calls for continued support for building the networks and relationships that emerged during the planning process, the creation of regional hubs to share educational, mentoring, and legal and business advice for start-ups, and the development of a state resource portal. Sweeney, Ojakian, and Birch presented the plan to the CTNext board that is currently implementing it.



CONVENING

Former Mayor Michael Nutter on Public Service

(CONTINUED FROM P. 1)

former Philadelphia Councilman. He described what it takes to win elections (hard work, luck, other people, financial support, and dedication, among other things) and his own experiences running for office: what it was like to lose elections in the 1980s, to recalibrate and come back to win a spot on the City Council for the first time in 1991, and then to come from behind (his own pollster told him he was likely to come in fifth in a field of five) to win election as Mayor in 2007 and again in 2011.

In his second talk on April 3, Mayor Nutter focused on what comes after winning the Mayoral race, discussing both the day-to-day practices of good governance as well as the necessity of handling unexpected calamities. In "Getting Stuff Done in a Big City: From Daily Duties to Crisis Management," Mayor Nutter described the difficulties of prioritizing multiple objectives and satisfying multiple stakeholders, highlighting some of the major successes of his time in office, such as a dramatic drop in homicides (attributed to the crime reduction strategy adopted early in his first term) and the inculcation of an anti-corruption culture in City Hall (attributed to an emphasis on integrity and transparency). He also described the realities

of dealing with several unexpected crises, from the death of police officers in the line of duty to the budget crisis hastened by the Great Recession.

In his final talk on April 17, "Reflections on Leadership: Lessons Learned in City Hall and Beyond," Mayor Nutter reflected further on his time as the 98th Mayor of Philadelphia, exploring the practices and qualities necessary to succeed in a leadership role. Pointing out that the office is near enough and powerful enough to be seen by the public as ultimately responsible for all the city's issues, problems, and difficulties, Mayor Nutter described the necessity of both shouldering that responsibility and of working with others—including city staff, the Pennsylvania Legislature, and mayors from other cities—to solve problems and improve the lives of city residents. Putting the period in a national context, he explained that he was regularly in contact with other mayors, brainstorming ideas and sharing approaches to common problems. At the same time, Philadelphia was often on the cutting edge of policy solutions and so was paving the way nationwide.

The events concluded with ample opportunities for audience members to ask questions. Throughout his

three presentations and his conversations with the audience, Mayor Nutter made clear that he finds the difficult problems of urban governance and policy to be truly energizing and deeply important. Calling the position of Mayor "a nonstop rollercoaster of emotion and challenges," he also emphasized that it's the best job in politics; he said that the level of engagement it requires is unlike that of any other elected position and that he loved working to improve the lives of all Philadelphians.

In February 2017, Mayor Nutter was appointed Senior SP2 Executive Fellow at Penn IUR, a non-residential post that allows him to engage the Penn community on a regular basis on issues related to urban policy in Philadelphia and beyond. He is also continuing to serve as David N. Dinkins Professor of Professional Practice in Urban and Public Affairs at Columbia University's School of International and Public Affairs. Additionally, he is currently writing a book about the topics covered in his three talks this spring.

To watch videos of Mayor Nutter's talks, visit the "Events" section of the Penn IUR website (pennur.upenn.edu).

RESEARCH

Smart Energy Awards in the Asia Pacific

On April 24, the Asia Pacific Economic Cooperation (APEC) Energy Smart Communities Initiative Knowledge Sharing Platform (ESCI-KSP) honored the winners of the third ESCI Best Practices Awards in Singapore. Penn IUR, which developed the ESCI-KSP with the Taiwan Institute for Economic Research (TIER), also worked with TIER to initiate and organize the recognition program. The judges panel, led by Penn IUR Co-Director Eugénie Birch, selected from nearly 200 applications to highlight exceptional best practices in energy efficiency related to smart transport, smart buildings, smart grids, smart jobs and consumers, and low-carbon model towns.

Gold and silver winners in the smart transport category were, respectively, Chinese Taipei (for its innovative use of information and communication technology to address severe congestion in their Smart Park innovation district) and the State of California (for developing a series of instructive electromobility roadmaps for widespread deployment of electric vehicle technology).

Japan's Panahome Smart City development in Shioashiya won the Gold Smart Buildings award (for deploying energy efficient homes along with onsite renewable generation for an entire community). Thailand's Huachiew Chalermprakiet University receiving the Silver Smart Buildings award (for examining the importance of the human element in their smart campus, and employing a program that encouraged energy conservation in the University).

The United States was recognized in the Smart Grid category for the Energy New Orleans "SmartView" pilot, which used smart meters and public outreach to help low income homeowners save energy through a variety of innovative utility programs, such as demand response. Chinese Taipei also received a second award in this category for its microgrid program in Penghu, which demonstrated the power of this technology to allow high levels of renewable energy to service the island's energy needs.

Singapore and Mexico were the gold and silver winners in the Smart Jobs and Consumers category. Singapore's Back to School Programme engaged recent high school alumni by training them in green building practices and then having them return to their former schools to work directly with current students and administrators on green school programs. The Mexican Applied Leadership Program for Renewable Energies turned to rural professors, training them in the business of large-scale renewable energy projects so that they can then be advocates and arbiters for this technology in their communities.

Finally, two cities were recognized as standout low-carbon model towns: Tainan, Chinese Taipei and Songdo, Korea. Tainan has achieved impressive levels of solar energy deployment through the

political leadership of its mayor and a thoughtful program that promotes the installation of solar panels on rooftops of public and private buildings. Songdo is a sustainable community planned around getting people out of their cars, promoting the use of public transportation, car sharing, and people-powered movement, while also incorporating plentiful parkland as well as green building requirements.



SMART BUILDING GOLD WINNER: Japan's Smart City development in Shioashiya features energy efficient architectural design.

The ESCI-KSP is an online repository of best practice case studies of energy efficient projects, programs, and policies undertaken by APEC members. By highlighting and sharing exceptional examples of energy efficiency, the ESCI-KSP supports APEC's goal of reducing energy intensity dramatically by 2030.

For more information about the winning projects and to learn about other energy efficiency projects across APEC, visit esci-ksp.org.

FACULTY SPOTLIGHT

Faculty Spotlight: Pam Grossman

(CONTINUED FROM P. 3)

support students and to create a safety net—this is particularly important in a district like Philadelphia which has limited numbers of school counselors and school nurses.

6. YOU SAID THAT PENN IS A GREAT PLACE TO WORK ON URBAN ISSUES. WHAT STRENGTHS DO YOU THINK THE UNIVERSITY HAS IN THIS FIELD?

We have a lot of Schools that are committed to issues related to urban research in general, and

there's a very strong commitment at Penn focusing on urban education and Philadelphia schools. When I first arrived here I had people from across the University show up in my office to tell me about their interest in working with the Graduate School of Education to support Philadelphia schools. That's an incredible resource. We've got the history of investing in Penn Alexander [the Penn-assisted, K-8 public school for West Philadelphia children]—as well as a much broader commitment to support district schools.

And it's not just something that faculty are interested in—it's something that our students are very interested in and very committed to as well. GSE has many students who are interested in interdisciplinary research around urban education. We've just started a new dissertation award—one of the first winners is someone who has done a stunning dissertation on school closures, weaving together education and anthropology. Many of our students get dual degrees with Arts and Sciences so that they can do that interdisciplinary research.

About Penn IUR

THE PENN INSTITUTE FOR URBAN RESEARCH (PENN IUR) is dedicated to advancing cross-disciplinary urban-focused research, instruction, and civic engagement on issues relevant to cities around the world. As the global population becomes increasingly urban, understanding cities is vital to informed decision-making and public policy at the local, national, and international levels. Penn IUR has a strong focus on research that informs the sustainable and inclusive twenty-first-century city. By providing a forum for collaborative scholarship and instruction at Penn and beyond, Penn IUR stimulates research and engages with urban practitioners and policymakers to inform urban policy.

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