

Sustainable Land Use

Creating A Better Future

For The Houston Region

Program

Speakers & Moderators



RICE UNIVERSITY
**Shell Center for
Sustainability**

School of Social Sciences
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Houston, Texas 77005-1827
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Program

7:30 am -8:00 am Registration and Welcome

8:00 am -9:40 am

Segment I - **Where Can We Go?**

Moderator: Robert Yaro, Vision

Amanda Timm, Social Justice and Urbanism

Kevin Shanley, Green areas and Water in the Urban Landscape

Jeff Taebel, HGAC, Transportation

9:40 am – 9:50 am Break

9:50 am – 11:30 am

Segment II - **What We Are**

Moderator: David Crossley

Jim Lester, HARC, Water Ecosystems

Stephen Klineberg, Rice, Attitudes

Robin Holzer, CTC, Transportation

11:30 am – 1:30 pm

LUNCH – Student Poster Session, Christopher Hight & John Anderson

Morning Q&A Session

Rice Student Poster Session

1:30 pm – 3:05 pm

Segment III - **What Tools Do We Have?**

Moderator: Gordon Wells, University of Texas - Austin

Sam Brody, Texas A&M

Dmitry Messen, HGAC, Land Use Modeling

Christof Spieler, METRO

3:05 pm – 3:15 pm Afternoon Q&A/Break

3:15 pm – 4:45 pm

Segment IV - **What Policies and Mechanisms Will It Take To Get There?**

Moderator: Stephen Klineberg

Judge Ed Emmett

Carol Lewis, TSU, City of Houston Planning Commission

Jim Noteware, Housing and Community Development, COH (TBC)

Jim Blackburn, Blackburn and Carter

Andy Icken, Chief Development Officer, Office of the Mayor, City of Houston

Joe Allen, Allen Boone Humphries Robinson LLP

4:45 pm – 5:00 pm Conference Close

Speakers & Moderators



Joe B. Allen, Speaker

For the past 43 years, Joe B.'s practice has consisted of representing special districts, authorities and providing infrastructure for new development; working with both public and private entities on a wide range of issues related to construction, financing, and operation of public infrastructure, primarily water, sewage and drainage toll roads and parks; and representing private entities contracting with public bodies. He has served as both general counsel and bond counsel in public entity representation. Joe B. has been the principal author and lobbyist of major laws affecting infrastructure. He graduated from Baylor University, B.A., 1965; Baylor University Law School in 1967; and is a past President, Baylor Law Alumni Associations. He is with Allen Boone Humphries Robinson, LLP and his practice areas include: Public Finance, Municipal Finance, Municipal Law, Local Government, Public Affairs



John B. Anderson, Speaker

B.S, University of South Alabama, M.S. University of New Mexico, PhD in 1972 Florida State University. John joined the faculty at Rice University in 1975 and served as chairman of the department from 1992 through 1998. He has published 190 peer-reviewed papers and mentored over 50 graduate students. John has participated in 24 scientific expeditions to Antarctica. His research there focuses on the history of the ice sheet, glacial response to climate change and potential contributions to sea level rise. His other research focuses on the evolution of the Texas coast and on predicting coastal response to climate change this century. He has authored two books "Antarctic Marine Geology" and "The Formation and Future of the Upper Texas Coast", and has co-edited four books, most recently a Geological Society of America Special Paper entitled "Response of Upper Gulf Coast Estuaries to Holocene Climate Change and Sea-Level Rise". John received the 1992 GCAGS Outstanding Educator Award, the 1996 Rice University Graduate Teaching Award, 2004 Rice University Presidential Mentoring Award, and was the 2007 recipient of the Society of Sedimentary Research Shepard Medal. He is a Fellow of the Geological Society of America and past president of the Society for Sedimentary Research.



Jim Blackburn, Speaker

An attorney for more than 30 years, Jim Blackburn is a partner in Blackburn Carter, P.C., a firm devoted to environmental law and planning. Blackburn is also a Professor in the Practice of Environmental Law in the Department of Civil and Environmental Engineering at Rice University. He serves as Director of the Interdisciplinary Minor in Energy and Water Sustainability and is a Faculty Associate for the SSPEED Center, as well as leading a course/project titled "Measuring Sustainability: Project Houston".

His current caseload includes litigation over the future of the whooping crane on the Texas Coast and opposition to permits needed to enable uranium mining in Goliad County. Mr. Blackburn is active in community issues and is a co-founder of Houston Wilderness, the Matagorda Bay Foundation and the Galveston Bay Foundation. He was the recipient of The Barbara C. Jordan Community Advocate Award presented by Texas Southern University in 2007. In 2004, Texas A&M press published his manuscript titled *The Book of Texas Bays*, which focuses upon the environmental health of Texas bays and discusses various facts and issues. In 2009, Blackburn co-authored a compilation of art and poems titled *Birds: A Collection of Verse and Vision*. Blackburn received both a B.A. in History and a J.D. at the University of Texas at Austin and an M.S. in Environmental Science at Rice University.



Samuel D. Brody, Speaker

Samuel D. Brody is a Professor at Texas A&M University in the departments of Marine Sciences at Galveston and Landscape Architecture and Urban Planning at College Station. He holds the George P. Mitchell '40 Chair in Sustainable Coasts and is the Director of the Center for Texas Beaches and Shores. Dr. Brody is also a faculty fellow at the Rice University Severe Storm Prediction Education and Evacuation from Disasters Center, the Texas A&M University Hazard Reduction and Recovery Center, and the Texas A&M University Institute for Science, Technology, and Public Policy. His research and teaching focuses on coastal environmental planning, environmental dispute resolution, climate change policy, and natural hazards mitigation. Dr. Brody has also worked in both the public and private sectors to help local coastal communities to draft land use and environmental plans. For more information, please visit www.tamug.edu/ctbs.



David Crossley, Speaker, Moderator

David Crossley is president and founder of Houston Tomorrow, where his focus is on urban growth issues as they relate to quality of life and sustainability. Houston Tomorrow has led the Livable Houston/Smart Growth Initiative in the Houston Gulf Coast region since its founding as the Gulf Coast Institute in 1998. Crossley is a founder and former Chair of Blueprint Houston, an initiative toward a comprehensive plan for the City of Houston that began as a program of Houston Tomorrow's 1000 Friends of Houston. He served from 1996-2000 as President of the Citizens' Environmental Coalition. He serves on several regional boards, including Houston's Main Street Coalition. Crossley serves on many committees and panels, including the Technical Advisory Committee of the Transportation Policy Council and the Forecast Advisory Group at Houston-Galveston Area Council. He is a member of the Greater Houston Partnership's Transit Planning Committee. Nationally, he is an executive board member of Smart Growth America, a member of the steering committee of America 2050, and chair of the Growth Management Leadership Alliance. He is a team leader for the Networks & Modes task force of the Congress for the New Urbanism, and also is a member of the American Planning Association, and the Urban Land Institute. He speaks at conferences and contributes to national publications.



Judge Edward M. Emmet, Speaker

Edward M. Emmett became Harris County Judge on March 6, 2007. A member of the Texas House of Representatives from 1979 to 1987, Judge Emmett was chairman of the Committee on Energy, a member of the Transportation Committee, and represented the state on numerous national committees relating to energy and transportation policy. In 1989, President George H. W. Bush nominated Emmett as a Commissioner at the Interstate Commerce Commission. He served on the commission for three years. Judge Emmett found The Emmett Company, a multi-faceted international consulting and marketing firm serving the transportation industry. His previous experience includes acting as president and chief operating officer of the National Industrial Transportation League. He is director of Harris County's Office of Homeland Security and Emergency Management. Judge Emmett has won numerous awards during his tenure as chief executive of the nation's third-largest county, including most recently: the 2009 Distinguished Public Service Award from the LBJ School of Public Affairs at the University of Texas. Judge Emmett attended Bellaire High School. He graduated from Rice University in 1971 with a Bachelor of Arts degree in Economics and from the University of Texas at Austin in 1974 with a Master of Public Affairs degree.



Christopher Hight, Speaker

Christopher Hight is an associate professor at the Rice University School of Architecture, where he is pursuing design and research on architecture's potential at the nexus of social, natural and subjective ecologies within the built environment. In collaboration with colleagues and student researchers he has recently completed a design strategy for the bayou system in Houston, available at www.hydraulicity.org, and is working with John Anderson on a book examining alternative models of coastal development based on the case study of Galveston Island. He has been a Fulbright Scholar and obtained a masters degree in Histories and Theories of Architecture from the Architectural Association, and a Ph.D. from the London Consortium at the University of London. He has taught in the Architectural Association's Design Research Laboratory, and has worked for the Renzo Piano Building Workshop. He has lectured and published internationally in books and journals including Harvard Design Magazine, Praxis, Perspecta, and AD. He is the co-editor of Space Reader: Heterogeneous Space in Architecture (2009), and AD: Collective Intelligence in Design (2006), and has recently published a book on subjectivity and epistemology since the middle of the 20th century, Architectural Principles in the Age of Cybernetics (2008). He also serves on the Board of Directors for the Rice Design Alliance.



Robin Holzer, Speaker

Robin Holzer is a former business consultant turned civic leader who lives in the Montrose neighborhood of urban central Houston. She earned an MBA from Rice University in 2002 and a BA from Rice in 1993. Robin chairs the board of the nonprofit Citizens' Transportation Coalition (CTC). CTC is an all-volunteer, grassroots advocacy organization with members across the 8-county Houston-Galveston region. The Houston-Galveston Area Council (H-GAC) estimates that more than \$3 billion will be spent annually on transportation projects

in the Houston region. This massive investment in public infrastructure will actively shape not only the form and function of our city, but also the quality of life of its residents for decades to come. Since 2004, CTC volunteers have worked to engage neighborhood leaders in the planning of transportation projects that affect our neighborhoods. CTC volunteers have worked to make toll road planning more accountable, educate local leaders regarding the role of freight rail in the region, and help Houstonians participate in the planning of METRO's new light rail lines. Recognizing that every transit user is a pedestrian, CTC is also building support for public investment in sidewalks, bikeways, and other transportation alternatives. Learn more at <http://ctchouston.org>.



Andy Icken, Speaker

Andy Icken currently serves as Mayor Annise Parker's Chief Development Officer for the City of Houston. In addition, he has oversight of the Houston Airport System. Prior to his appointment by Mayor Parker, he served as Deputy Director of Public Works & Engineering for the City of Houston – Planning & Development Services Division. Prior to joining the City of Houston, Mr. Icken served for 6 years as Executive Vice President of the Texas Medical Center. His responsibilities for Texas Medical Center included business enterprises, support services, government affairs and public affairs. Preceding his employment with Texas Medical Center, Mr. Icken had an extensive career of over 30 years with ExxonMobil. From 1990 to 2000 he was Executive-in-Charge of Exxon's (ExxonMobil) Materials and Service Department providing shared business services to Exxon's domestic and international. Mr. Icken's career with Exxon included other executive positions in business line management in both the United States and foreign Exxon affiliates. Mr. Icken is past president of the Houston Minority Business Council and continues to serve on their Board of Directors. He is past Chairman and continues to serve on the Board of the Santa Maria Hostel. Mr. Icken holds a Bachelor's of Science degree in Chemical Engineering from Carnegie Mellon University and a Master's of Science in Industrial Administration also from Carnegie Mellon.



Stephen L. Klineberg, Speaker, Moderator

A graduate of Haverford College, with an M.A. from the University of Paris and a Ph.D. from Harvard, Stephen Klineberg joined Rice University's Sociology Department in 1972, after teaching at Princeton. In 1982, he and his students initiated the annual "Houston Area Survey," now in its 29th year of tracking the remarkable changes in the demographic patterns, experiences, attitudes, and beliefs of Harris County residents. The recipient of ten major teaching awards at Rice, including the Lifetime Award for Excellence in Teaching, Klineberg is writing a book on the Houston surveys and serving as Co-director of Rice University's new "Institute for Urban Research." The mission of the Institute is to provide a permanent home for the annual surveys, to stimulate other metropolitan research, to sponsor educational programs, and to engage in public outreach that enhances the value of this work for the wider community.



Jim Lester, Ph. D., Speaker

Dr. Jim Lester holds a Ph.D. in Zoology from the University of Texas at Austin and is currently the Vice President of the Houston Advanced Research Center (HARC). Previously, he served as the Director of HARC's Environment Group. He is responsible for development and implementation of projects to make more sustainable our management of water, air and biological resources and for the operations of HARC. From 1975 to 2002 he was a faculty member and administrator in the University of Houston System where he held administrative positions at the University of Houston-Clear Lake as a Dean, Associate Vice President, and Director of the Environmental Institute of Houston. His scientific work is grounded in ecological and population genetics, which he has applied to projects dealing with biodiversity and development of new species for sustainable aquaculture. Dr. Lester has worked in Asia and Latin America on aquaculture and fishery development projects. He is currently engaged in projects that analyze compilations of datasets from multiple sources to obtain new insights for watershed or landscape management. He also serves in a leadership capacity for the HARC program on air quality science. He is Past President of the Texas Environmental Education Partnership and serves as the Chair of the Monitoring and Research Committee of the Galveston Bay Estuary Program.



Carol A. Lewis, Ph. D., Speaker

Carol A. Lewis, Ph.D. is an Associate Professor in Transportation Studies and Director of the Center for Transportation Training and Research at Texas Southern University. She is responsible for educating students in fundamentals of transportation and urban transportation issues, as well as conducting operational and policy related transportation research. In March 2008, Lewis was asked to serve as principal investigator for Texas Southern University's designation by the Department of Homeland Security (DHS) as a Petrochemical Transportation Security Center of Excellence. This multi-disciplinary initiative conducts research to reduce the nation's vulnerability against potential terrorists' attacks in selected components of the surface transportation system. She is also the principal TSU researcher in the DHS Disasters, Coastal Infrastructure, and Emergency Management Center (DIEM) focusing on evacuation modeling. She has conducted research for the Texas Department of Transportation (TxDOT), Federal Highway Administration and other public and private transportation entities. Prior to joining Texas Southern University in 1992, Lewis spent 15 years as manager and director of planning at the Metropolitan Transit Authority of Harris County. In the Spring of 2010, Mayor Annise Parker appointed her to the Gulf Coast Rail District Board. From 2004 to 2009, she served as transportation advisor to the Mayor, and as Chair of the City's Planning Commission. Lewis served two years on the board of the Metropolitan Transit Authority and six years as the national academic advisor for the Conference of Minority Transportation Officials. Lewis holds a Ph.D. from the University of Houston in Political Science and M.A. and B.A. degrees from the University of Iowa.



Dmitry Messen, Ph.D., Speaker

Dr. Dmitry Messen is a Socioeconomic Modeling Program Manager at the Houston-Galveston Area Council (H-GAC). Dmitry leads H-GAC's efforts in developing microsimulation-based long-range demographic and land use forecasts for the Houston region. Prior to joining H-GAC in 2004, Dmitry worked at the Center for Energy Studies at Louisiana State University doing research in applied economics as well as teaching GIS, statistics, and economic geography. Dmitry is a quantitative social scientist with extensive expertise in modeling, regional and urban economics, geographic information systems, and data management. Dmitry holds a Ph.D. in Geography from Louisiana State University (1997) and a M.A. in Geography from Moscow State University (1992).



James D. Noteware, Speaker

Mr. Noteware is the Director of the City of Houston, Housing and Community Development Department. He has spent his entire 35-year career in the real estate industry, specializing in the development of real estate and the value-added turn-around of properties, portfolios and the organizations which manage them, in both the private and public sectors. Prior to his appointment with the City, as chairman & CEO of Noteware Development, he sponsored residentially-based mixed-use projects in urban infill locations in several markets around the United States. In 2003 and 2004, he led the real estate investment, development and operations of the National Capital Revitalization Corporation (NCRC), to maximize and realize the value of the real estate held by the District of Columbia and US Federal governments in the Nation's Capital. From 1993 to 2002, Mr. Noteware served as Chairman & CEO of Maxxam Property Company. His responsibilities included overall planning and direction of the company's portfolios of multi-family housing, large scale master planned communities, commercial and special-use properties. He also served as President of the Sam Houston Race Park. Prior to joining Maxxam, he was National Director of Real Estate for Price Waterhouse. Early in his career, Mr. Noteware practiced architecture in California. He holds a Bachelor Degree in Civil Engineering and Architecture from Stanford University and an MBA in finance from the Wharton School of the University of Pennsylvania.



Kevin Shanley, FASLA, Hon. AIA, Speaker

Kevin Shanley is the CEO of the SWA Group and a design and planning principal of the Houston office, a firm that practices planning, landscape architecture and urban design with five offices between Texas and California. He has been with the firm since 1973 and has been in the Houston office since 1979. His practice is regional and international. Kevin studied philosophy at the University of Santa Clara and subsequently studied urban design and landscape architecture at the Harvard University Graduate School of Design. In his work with the SWA Group, Kevin has been involved in award winning planning and urban design projects in Houston, in other metropolitan areas of this country, and in many large scale overseas projects from the middle east to the far east. Kevin has always been fascinated by water and it has been in Houston that he has focused on regional water issues, particularly the effect of urbanization on storm water

runoff and its effect on our region's streams and bayous. Now serving as Chairman of the Board of the Bayou Preservation Association, he has for almost twenty years been advocating for change in how we understand our streams and watersheds, for change in how we impact our streams and bayous when we build and improve our drainage systems, and for change in the public policies that ultimately shape our urban environments.



Christof Spieler, Speaker

Christof Spieler is Director of Technology and Innovation at Morris Architects. He is a licensed professional engineer and heads firmwide efforts on green buildings, new materials, project process, and Building Information Modeling (BIM). Previously, he worked as a consulting structural engineer. His projects have won multiple American Institute of Architects awards and have been featured on the cover of national engineering magazines. Mr. Spieler teaches structures in the Rice University School of Architecture and advises student design-build programs at Rice and the University of Houston. Mr. Spieler has written and spoken extensively on transit and urban planning and has helped Houston neighborhoods shape transportation projects. His articles have appeared in Cite Magazine (where he served on the editorial committee from 1998 to 2010, including 2 years as chair), the Houston Chronicle, and Architecture Magazine; he also covered Houston transportation in his blog, Intermodality. He serves as a technical advisor to the Citizens' Transportation Coalition, a board member of the Rice Design Alliance, and a member of the American Public Transit Association's Sustainability and Urban Design Working Group. Mr. Spieler lives Downtown with his wife, Kimberly. They share one car, and he relies on METRO for most of his daily trips. He holds a Bachelor of Science and a Master of Science in Civil Engineering from Rice University. He was named Rice's Outstanding Young Engineering Alumnus in 2009 and one of Building Design and Construction Magazine's "40 under 40" in 2008.



Jeff Taebel, FAICP, Speaker

Jeff Taebel oversees the community and economic development, environmental planning, livable communities, socioeconomic modeling and disaster recovery programs for the 13-county Houston-Galveston region. His key accomplishments include: Establishing H GAC's Livable Centers and pedestrian-bicyclist "special districts" programs to promote sustainable mobility choices; Developing one of the nation's leading applications of the UrbanSim socioeconomic and land use modeling tool; Preparing H-GAC's Foresight Panel on Environmental Effects report, detailing recommendations for climate change adaptation; Developing a regional solid waste management plan and implementation grant program that has funded numerous local source reduction and recycling programs; Devising programs to distribute federal funds to individuals and communities that sustained damage from Hurricanes Rita and Ike. He is a past President of the Texas Chapter of the American Planning Association (APA) and currently serves on the Urban Land Institute Houston District Council Executive Committee. In April 2008, he was named a Fellow of the American Institute of Certified Planners. Mr. Taebel received a Master of Urban Planning degree from Texas A&M University and a B.S. in Life Sciences at the University of Nebraska.



Amanda Timm, Speaker

Amanda Timm is the Executive Director of the Local Initiatives Support Corporation's Houston office and has more than fifteen years of experience working in the community development field. As Executive Director, Amanda manages the office's \$1.5 million budget and is responsible for overseeing all aspects of the office's fund development, programmatic, and policy work. A significant portion of her work focuses on strategy, planning and partnership development. Amanda joined LISC in 2001 as a Program Officer and was appointed as director in December 2007. Since taking the leadership role, Amanda has orchestrated Houston LISC's strategic shift to a comprehensive approach for community development. The implementation of this new strategy has led to the selection of Houston as a LISC Building Sustainable Communities Demonstration Site and an expansion city for the Financial Opportunity Centers by National LISC as well as the local launch of the Great Opportunities (GO) Neighborhoods Pilot Program. Prior to her work with LISC, Amanda served the City of Houston as a Senior Planner with the Neighborhood Planning Services Division of the Planning and Development Department. She holds a Bachelor of Arts degree from Southwestern University and a Master of Public Affairs degree from the LBJ School of Public Affairs at the University of Texas at Austin.



Robert D. Yaro, Speaker, Moderator

Robert D. Yaro is the President of Regional Plan Association, America's oldest independent metropolitan policy, research and advocacy group. Based in Manhattan, RPA promotes plans, policies and investments needed to improve the quality of life and competitiveness of the New York Metropolitan Region, America's largest urban area. He is a member of Mayor Bloomberg's Sustainability Advisory Board. Since 2001 Mr. Yaro has been Professor of Practice in City and Regional Planning at the University of Pennsylvania. He also taught at Harvard University and the University of Massachusetts. He holds a Masters Degree in City and Regional Planning from Harvard University and a Bachelors Degree in Urban Studies from Wesleyan University.

Conference Planning Committee

Lilibeth André, Rice University
Gregory R. Biddinger, Ph. D., ExxonMobil
David Crossley, Houston Tomorrow
Mary Margaret Hamilton, Shell Oil Company

Robert Harriss, Ph. D., HARC
Peter Hartley, Ph. D., Rice University
Debra Marshall, Shell Oil Company

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