The IURD Community

IURD STAFF
Robert Cervero, Director
Karen Chapple, Associate Director
Cain Diaz, Research Administration
Summer Garcia, Research Administration
Andrea Martinez, Human Resources
Sonia Garcia, Grants and Contracts
Jonas Jarut, Information Technology
Phyllis Orrick, Communications and Outreach

CURRENT FACULTY RESEARCHERS
Robert Cervero, Professor of City and Regional Planning; Carmel P. Friesen Chair in Urban Studies; Director, Institute of Urban and Regional Development; Director, University of California Transportation Center
Karen Chapple, Associate Professor of City and Regional Planning; Faculty Director, Center for Community Innovation; Associate Director, Institute of Urban and Regional Development
Daniel Chatman, Assistant Professor of City and Regional Planning
Jason Corburn, Associate Professor of City and Regional Planning
Elizabeth Deakin, Professor of City and Regional Planning and Urban Design
Karen Trapanieng Frick, Senior Researcher, Department of City and Regional Planning, Assistant Director, University of California Transportation Center
Malo Andre Hutson, Assistant Professor of City and Regional Planning
G. Mathias Kondolf, Professor of Landscape Architecture and Environmental Planning
Louise Mazingo, Associate Professor of Landscape Architecture and Environmental Planning
Ananya Roy, Professor of City and Regional Planning
Paul Waddell, Professor of City and Regional Planning; Chair, Department of City and Regional Planning
Jennifer Wolch, Dean, College of Environmental Design; William W. Wurster Professor of City and Regional Planning

ADDITIONAL IURD RESEARCHERS
William Eisenstein, Lectures; Department of Landscape Architecture and Environmental Planning
Deborah McCoy, Executive Director, Center for Cities and Schools
Jeffrey M. Vincent, Deputy Director, Center for Cities and Schools

About IURD

IURD’s core mission is to advance knowledge and practice in ways that make cities and regions economically robust, socially inclusive, and environmentally resourceful.

Important outlets for the creative ideas and work found at IURD come from five centers:
» The Center for Community Innovation
» The Center for Cities and Schools
» Global Metropolitan Studies
» The Urban Analytics Lab
» The Center for Global Healthy Cities.

IURD is also the home to two interdisciplinary initiatives, which position it to join in campuswide efforts on urban adaptation to climate change:
» The Sustainable and Inclusive Regions Initiative, which brings together a subgroup of faculty in the Department of City and Regional Planning who specialize in regional sustainability planning with a focus on the synergies of transit systems with affordable housing development and job centers.
» The Healthy Communities Initiative, which is a platform for faculty and researchers across the Berkeley campus to collaborate on cutting-edge research, including active transport, exposure, health disparities, healthy eating, environmental justice, health impact assessments, and safety.

IURD also:
» has done work in China, Latin America, Africa, Southeast Asia, and India on projects associated with the United Nations, World Bank, Inter-American Development Bank, and U.S. Agency for International Development (USAID)
» provides a research home and support to individual faculty and graduate students
» enriches discussion on urban and regional affairs across the university’s many fields and disciplines
» regularly sponsors symposia, colloquia, workshops, and speaker series
» hosts a Visiting Scholars program that invites academics and researchers from around the world
» posts publications on its website as well as in the University of California Digital Library’s eScholarship repository.

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Centers

The centers at IURD work with Bay Area cities, government agencies, and nonprofits as well as other universities and international agencies to address a wide range of urban problems through research, planning, and innovative collaborations involving faculty, students, elected officials, staff, and community members. Among the products of IURD’s centers are: research reports, toolboxes, curriculum development, testimony and advisory statements to government agencies, and testing and developing planning scenarios.

Global Metropolitan Studies

The Global Metropolitan Studies Center, established as part of the Global Metropolitan Studies Initiative, is concerned with the 21st Century condition, in which more people will be residing in metropolitan areas than in any other form of human habitation. Bringing together numerous faculty, this multidisciplinary endeavor supports research and houses graduate and undergraduate curricula. Global Metropolitan Studies also offers a Designated Emphasis for doctoral students, to supplement their disciplinary degrees.

CORE STAFF
Jason Corburn, Department of City and Regional Planning
James Holston, Department of Anthropology
http://metrostudies.berkeley.edu/

Center for Cities & Schools

The Center for Cities & Schools (CC&S) is an action-oriented, policy and technical assistance research center. Its mission is to promote high-quality education as an essential component of urban and metropolitan vitality to create equitable, healthy, and sustainable communities for all. Started in 2004, CC&S is an interdisciplinary initiative between the College of Environmental Design, working largely with the Department of City and Regional Planning, and the Graduate School of Education. The Center’s vision was born from more than 20 years of work in youth engagement, public housing, and urban revitalization in the San Francisco Bay Area and across the country.

CORE STAFF
Deborah McKoy, Executive Director
Jeffrey M. Vincent, Deputy Director
http://citiesandschools.berkeley.edu

Center for Community Innovation

The Center for Community Innovation (CCI) nurtures effective solutions that expand economic opportunity, diversify housing options, and strengthen connection to place. CCI acts primarily as evaluator, supporter, and translator of local innovation. CCI adopts a practice-based research approach that builds a research agenda out of local concerns, but finds answers using rigorous academic methods, with the aim of making academic research more accessible and building capacity of nonprofits and government agencies. The center specializes in planning for equitable development near transit.

CORE STAFF
Karen Chapple, Department of City and Regional Planning
Helaine Kaplan Prentice, Department of City and Regional Planning
http://communityinnovation.berkeley.edu/

Center for Global Healthy Cities

The Center for Global Healthy Cities (CGHC) is a multi-disciplinary, action-oriented research, training, and action initiative focused on promoting greater health equity in cities and communities around the world. Urbanization, city planning, and policy are structural determinants of health. The CGHC aims to contribute to greater health equity in cities through engaged scholarship, innovative training, and problem solving partnerships with civil society organizations, governments, and international agencies.

CORE STAFF
Jason Corburn, Department of City and Regional Planning
http://healthycities.berkeley.edu

Urban Analytics Lab

The Urban Analytics Lab at UC Berkeley develops state-of-the-art urban technologies to make cities, towns, and other places more livable, sustainable, economically vibrant, and inclusive. Among the Lab’s core innovations are UrbanSim, a simulation platform for modeling land use and transportation, and UrbanVision, a platform for 3D visualization of current and future urban development scenarios. The Lab’s technologies are being used in the Bay Area Sustainable Communities Planning process by regional planning agencies, and are used in numerous cities across North America, Europe, Africa, and Asia.

CORE STAFF
Paul Waddell, Department of City and Regional Planning
Karen Frick, Department of City and Regional Planning
http://www.ual.berkeley.edu
Publications

IURD reports on its research through various outlets, including two-page policy briefs, longer working papers, and full-sized reports. Publications are posted on the IURD website, as well as the University of California's eScholarship repository, operated and maintained by the University of California Library, benefiting from the Library's enhanced visibility on the web. Recent IURD publications are listed below.

RESEARCH CLASSIFICATION

- ENVIRONMENTAL PLANNING
- HEALTH, EDUCATION, AND SOCIAL POLICY
- HOUSING, COMMUNITY, AND ECONOMIC DEVELOPMENT
- TRANSPORTATION AND LAND USE PLANNING

- “Hidden” Density: The Potential of Small-Scale Infill Development
  WP-2011-02
  Karen Chapple

- Connecting Cairo to the Nile: Renewing Life and Heritage on the River
  WP-2011-06 and WP-2011-03
  George Mathias Kondolf, Louise Mozingo, Rachael Marzion, et al.

- Public Housing and Unemployment: Skills and Spatial Mismatch in Postindustrial Hong Kong
  WP-2011-05
  Paavo Monkkonen

- Water, Neighborhoods and Urban Design: Micro-Utilities and the Fifth Infrastructure
  WP-2011-04
  V. Elmer and H. Fraker

- Socioeconomic Segregation in Hong Kong: Spatial and Ordinal Measures in a High-Density and Highly Unequal City
  WP-2011-03
  Paavo Monkkonen and Xiaohu Zhang

- Secondary Units and Urban Infill: A Literature Review
  WP-2011-02
  Jake Wegmann and Alison Nemirov

- Cities In Times Of Crisis The Response of Local Governments in Light of the Global Economic Crisis: the role of the formation of human capital, urban innovation and strategic planning
  WP-2011-01
  Manuel Perlo Cohen

- Measuring Residential Segregation in Urban Mexico: Levels and Patterns
  WP-2010-05
  Paavo Monkkonen

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- Measuring Residential Segregation in Urban Mexico: Levels and Patterns
  WP-2010-05
  Paavo Monkkonen

- Valuing Rail Transit: Comparing Capital and Operating Costs to Consumer Benefits
  WP-2010-04
  Erick Guerra

- Strategies for Megaregion Governance: Collaborative Dialogue, Networks and Self Organization
  WP-2010-03
  Judith E. Imes, David E. Booher, and Sarah Di Vittorio

- Kid-Friendly TODs
  WP-2010-02 and WP-2011-01
  Robert Cervero and Cathleen Sullivan

- From High Rise to Coast: Revitalizing Ribeira da Barcarena
  WP-2010-01
  Editors: Matt Kondolf, Kristen Podolak and Andrea Gaffney

- Leveraging LBNL’s Second Campus for Regional Economic Development
  December 2011

- Yes in My Backyard: Mobilizing the Market for Secondary Units
  September 2011

- What difference can a few stores make? Retail and neighborhood revitalization
  June 2010

- Innovating the Green Economy in California Regions
  February 2010

- Green, Local, and Growing: Findings from a Survey of Green Businesses in California
  January 2010

- Transit Oriented Development for High Speed Rail (HSR) in the Central Valley, California: Design Concepts for Stockton and Merced
  Deakin, Elizabeth, M. Shirgoakar, N. Duduta et al.

- Framing the Connections: Integrating housing, transportation and education in city and regional planning
  Deborah McKoy and Jeffrey M. Vincent

- Growth & Opportunity: Aligning High-Quality Public Education & Sustainable Communities Planning in the Bay Area
  Ariel H. Bierbaum, Jeffrey M. Vincent and Deborah L. McKoy

- Opportunity-Rich Schools and Sustainable Communities: Seven Steps to Align High-Quality Education with Innovations in City and Metropolitan Planning and Development
  Deborah L. McKoy, Jeffrey M. Vincent, and Ariel H. Bierbaum

- Trajectories of Opportunity for Young Men and Boys of Color: Built Environment and Placemaking Strategies for Creating Equitable, Healthy, and Sustainable Communities.
  Deborah L. McKoy, Jeffrey M. Vincent, and Ariel H. Bierbaum

- Smart Schools for Sustainable Communities: Partnerships for Joint Use: Expanding the Use of Public School Infrastructure to Benefit Students and Communities
  Jeffrey M. Vincent

- Putting Schools on the Map: Linking Transit-Oriented Development, Families, and Schools in the San Francisco Bay Area
  Ariel Bierbaum, Jeffrey M. Vincent, and Deborah McKoy

- Joint Use of Public Schools: A Framework for a New Social Contract
  21st Century School Fund and Center for Cities & Schools

- Y-PLAN Overview
  Deborah McKoy, Ariel Bierbaum, April Suwalsky, Erica Boas, and Alissa Kronovet

- Monitoring Success in Choice Neighborhoods: A Proposed Approach to Performance Measurement
  Robin Smith, G. Thomas Kingsley, Mary Cunningham, Susan Popkin, Kassie Dumlao, Ingrid Gould Ellen, Mark Joseph, and Deborah McKay

- San Francisco’s Public School Facilities as Public Assets: A Shared Understanding and Policy Recommendations for the Community Use of Schools
  Center for Cities & Schools

- The Impact of State Regulations on the Costs of Public School Construction
  Jeffrey M. Vincent and Paavo Monkkonen
Recent Research Projects

IURD has sponsored research in numerous areas and across many disciplines. IURD emphasizes interdisciplinary and cooperative study with the aim of fostering joint learning among faculty, students, and practitioners and helping researchers to recognize interdependencies in order to grasp the larger context of the problems that they are studying. Research partners have included Bay Area cities, government agencies, and nonprofits as well as other universities and international agencies.

**BIG IDEAS FOR JOB CREATION**
Annie E. Casey Foundation, 2013. This project challenged leading experts from a variety of fields to develop ideas that will lead to job creation in the short-term. They must not require significant new investment and should be accessible for low-skilled workers.

**URBANVISION**
The Metropolitan Transportation Commission. This an interactive 3D visualization will be used to analyze the impacts of alternative land use and transportation policies under the San Francisco Bay Area Metropolitan Transportation Commission’s Sustainable Communities Strategy, which seeks to reduce regional per capita vehicle emissions 7 percent by 2020 and 15 percent by 2035.

**TECHNICAL ASSISTANCE FOR THE GREAT COMMUNITIES COLLABORATIVE SUPPORTING MIXED-INCOME TODS IN THE BAY AREA**
The San Francisco Foundation, 2013. In this project, the Center for Community Innovation provides local community organizations with research on affordable housing and economic development patterns in the vicinity of existing and proposed transit stations in order to help them advocate for more equitable development.

**TRANSLATION OF DEVELOPMENT FOR HIGH-SPEED RAIL (HSR) IN THE CENTRAL VALLEY, CALIFORNIA: DESIGN CONCEPTS FOR STOCKTON AND MERCED**
California High-Speed Rail Commission. This report presents planning approaches and design concepts intended to increase HSR ridership and enhance Stockton and Merced’s downtowns without overpowered their existing character and landscape elements.

**URBANVISION**
The Metropolitan Transportation Commission. This an interactive 3D visualization will be used to analyze the impacts of alternative land use and transportation policies under the San Francisco Bay Area Metropolitan Transportation Commission’s Sustainable Communities Strategy, which seeks to reduce regional per capita vehicle emissions 7 percent by 2020 and 15 percent by 2035.

**TRANSIT ORIENTED DEVELOPMENT FOR HIGH-SPEED RAIL (HSR) IN THE CENTRAL VALLEY, CALIFORNIA: DESIGN CONCEPTS FOR STOCKTON AND MERCED**
California High-Speed Rail Commission. This report presents planning approaches and design concepts intended to increase HSR ridership and enhance Stockton and Merced’s downtowns without overpowered their existing character and landscape elements.

**MODELING THE SPATIAL DYNAMICS AND ENVIRONMENTAL AND RESOURCE IMPACTS OF U.S. METROPOLITAN GROWTH AND CHANGE**
National Science Foundation Grant, 2006-2009. This study modeled the effects that urban form and transportation had on travel patterns and resource use across 360 U.S. metropolitan areas from 1990 to 2003. Compact, mixed-use growth complemented by high regional connectivity were found to significantly reduce cities’ ecological footprints.

**PARKING AND TRANSIT ORIENTED DEVELOPMENT**
University of California Transportation Center. A study of 16 TOD projects in metropolitan Portland and the San Francisco Bay Area revealed significantly lower parking demands than conventional development. Yet parking codes failed to reflect this fact, causing unnecessary expenditures on parking facilities and reducing affordability as a consequence.

**AN EVALUATION OF FIXED-GUIDEWAY TRANSIT CRITERIA**
The Transit Cooperative Research Program. This study examines the determinants of successful light rail, heavy rail, commuter rail, and BRT investments in the U.S. using data on employment and population density near stations, parking prices, road speeds, and service characteristics of 72 recent rail investments. It also includes case studies of some recent investments.

**BAY BRIDGE TOLL EVALUATION**
This was a year long evaluation of the effects of the new toll structure on the Bay Bridge, as measured by traffic volumes, carpooling rates, and transit ridership. The toll increase has contributed to a reduction in travel volumes across the Bay Bridge. With this reduction come reductions in travel times, congestion, fuel consumption, and emissions.
Recent Research Projects continued

- EVALUATION OF “PUSH-OUT” OR “ZERO-TOLERANCE” POLICIES AND POLICY RECOMMENDATIONS
  This project evaluates the effects of these policies and characteristics of successful alternative models, including rewarding positive behavior, emphasizing the use of conflict resolution and peer mediation and minimizing the use of out-of-school suspension and expulsion.
  Hutson

- HEALTHY PLACES
  National Institutes of Health. This project compares trends in physical activity and obesity in a smart growth community as compared to typical suburban communities. It includes a companion study of children’s physical activity.
  Wolch

- LONGITUDINAL STUDY OF THE INFLUENCE OF THE BUILT AND SOCIAL ENVIRONMENT ON CHILDHOOD OBESITY
  USC Transdisciplinary Research on Energetics and Cancer and National Institutes of Health. This project analyzes the influence of the built and social environmental on childhood obesity in southern California communities. Findings include the protective effects of access to parks and recreational programs and risks associated with traffic density and air pollution.
  Wolch

- BUILT ENVIRONMENT PATTERNS AS PREDICTORS OF PHYSICAL ACTIVITY AND OBESITY
  This project’s objective is to describe the strength of walkable environments and access to venues such as parks, playgrounds, and recreation centers as predictors of physical activity and obesity and test hypotheses about where the built environment is most strongly linked to physical activity and obesity.
  Hutson

- NAIROBI, KENYA, SUMMER STUDIO
  In partnership with Pamoja Trust and Muungano wa Wanjivivi, students and faculty from the University of Nairobi's Department of Urban and Regional Planning, and UN-HABITAT’s Water, Sanitation and Infrastructure Branch in Nairobi. Over the summer of 2009, a team of UC Berkeley undergraduate and graduate students attempted to provide alternatives to a clean-up plan in the Mathare Valley of Nairobi that would displace informal settlements.
  Corburn

- URBAN BEHAVIORAL AND 3D GEOMETRIC MODELING
  National Science Foundation. This project developed a simulation to allow users to interactively model and visualize different scenarios in urban settings. It is being developed using the Bay Area as a test-bed.
  Waddell

Recent Events

IURD sponsors conferences, workshops, and seminars to bring together researchers and policy makers, as well as practitioners to share knowledge and practice that inform research and policy. Additionally, IURD’s Visiting Scholar Seminar Series provides an opportunity for researchers from other universities and across many different disciplines to share their work.

Infilling California: Tools and Strategies for Infill Development

Sponsored by the Center for a Sustainable California and IURD, and co-sponsored by the Urban Land Institute of San Francisco, the Association of Bay Area Governments, the California Infill Builders Association, and the Center for Law, Energy, and the Environment at Berkeley Law.

The six seminars drew upwards of 800 attendees from industry, government and academia.

SEMINARS
- Policies and Programs for Sustainable Urban Futures
- Best Practices in Infill Development
- Sustainability, Design, and Community in Infill Development
- Creative Financial Tools and Techniques for Infill
- Retrofitting Suburbia
- "Hidden" Density: The potential of small-scale infill development

Urban Housing, Economy and Transit: Confronting a Crisis, a Conference Series on Sustainability

Sponsored by the Ted and Doris Lee Fund at the College of Environmental Design and the Boalt School of Law, managed by IURD. Individual conferences organized by the Berkeley Program on Housing and Urban Policy, IURD, and the University of California Transportation Center.

The three events drew upwards of a total of 500 attendees.

SEMINARS
- Energy Efficiency in the Residential Sector: Practice, Policy, Prospects
- Sustainable Economic Development Strategies in Lean Fiscal Times
- Sustainable Mobility & Cities: Marrying Technology and Policy