

# Program

UCLA Conference Center at Lake Arrowhead  
The Transportation—Land Use—Environment Connection  
**October 19-21, 2008**

## Overview

The conditions faced by planners and policymakers in cities large and small are far different today than in years past, and promise to be even more different in the years to come. Geopolitical stability and trade, environmental quality and climate change, evolving regional demographics, and rapid technological innovations have combined to radically change the planning landscape in recent years. And while many more changes loom on the horizon, there is no assurance that recent trends will continue into the future. For example, increasing female labor force participation and travel patterns have changed significantly and in concert over the past quarter century, but these changes appear to be tapering off. On the other hand, both expected change—like a significant increase in elderly drivers—and uncertainties—like the cost of petroleum a dozen years hence—suggest that the status quo will be anything but.

To public and private leaders struggling to meet this year's budget and plan for next year's obligations, worrying about how climate change, new technology, or changing demographics will affect the transportation—land use—environment connection in 5, 10, or 20 years might seem less than pressing, even fanciful. But many of the pressing planning issues of today—from rapid increases in goods movements due to reduced international trade barriers, or carbon dioxide emissions becoming a central consideration in land use and transportation planning—were foreseeable ten and twenty years ago when forward-looking planning could have mitigated some of our present day crises. This suggests wisdom in looking ahead even as we struggle to cope with today's challenges.

Scanning the horizon for developments and trends that will affect travel, land development, and environmental quality in the years ahead is the goal of this year's UCLA Lake Arrowhead Symposium on the transportation—land use—environment connection. Over the course of two and one-half days we will examine major change drivers, examine future trends in land development, and explore the many factors affecting transportation systems and their use. Our goals are not fanciful but pragmatic: We aim to identify economic, social, environmental, and technological trends that may significantly alter the planning landscape in the next 5, 10, or 20 years. We will ask: What should planners, forecasters, and policymakers today know about such possible change agents to help better prepare for an uncertain future? To help us answer this question we will draw on some of the best researchers, practitioners, and thinkers on transportation, land use, and the environment.

*Symposium Co-Organizers:*

**Catherine Showalter**, Director, UCLA Extension Public Policy Program;  
Director, Osher Lifelong Learning Institute at UCLA

**Brian D. Taylor**, Professor and Chair of Urban Planning;  
Director, Institute of Transportation Studies, UCLA

## *Sunday, October 19, 2008*

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1:00pm	Registration, Check-In & Refreshments
1:30	<p>Welcome</p> <p><b>Catherine Showalter</b>, Director, UCLA Extension Public Policy Program; Director, Osher Lifelong Learning Institute at UCLA</p> <p><b>David Menninger</b>, Associate Dean, UCLA Extension and Continuing Education</p>
1:45-2:15	<p><i>Symposium Overview</i></p> <p>Speaker:</p> <p><b>Brian D. Taylor</b>, Professor and Chair of Urban Planning; Director, Institute of Transportation Studies, UCLA</p>
2:15-3:30	<p><b>INCORPORATING FORECASTS INTO POLICIES AND PLANS: PREPARING FOR ECONOMIC AND POLITICAL DRIVERS OF URBANIZATION IN THE YEARS AHEAD</b></p> <p>The opening session of the symposium explores the roles of forecasts and longer-range planning in decision making. How are forecasts developed, used, and misused in practice? What can and is being done to improve both the utility and reliability of projections about the future? How can planning and decision making both respond to pressing needs and anticipate likely changes on the horizon? How can planners and decision makers better link likely future realities with aspirations for change?</p> <p>■ <b>Linking forecasts to action: The roles, uses, and misuses of forecasts in transportation, land use, and environmental decision making</b></p> <p>Speaker:</p> <p><b>Martin Wachs</b>, Director, Transportation, Space &amp; Technology Program, The RAND Corporation</p> <p>■ <b>Promulgating policies and plans today to prepare for the economic and political drivers of urbanization in the years ahead</b></p> <p>Speaker:</p> <p><b>Gerrit Knaap</b>, Executive Director, the National Center for Smart Growth Research and Education, University of Maryland</p> <p>Discussion</p>
3:30-3:45	Break



3:45-5:30

**MIGRATING IN, MOVING UP, AND SPREADING OUT: WILL RECENT DEMOGRAPHIC AND DEVELOPMENT TRENDS CONTINUE IN THE FUTURE, OR WILL NEW ONES EMERGE?**

This session examines the future of U.S. metropolitan areas from three perspectives. The first examines how the demographic trends of the next couple of decades are likely to differ from those of the last few, and what these imply for the future of urban settlements. The second examines how future travel trends are likely to differ from current patterns in the years ahead. And the third considers how private land markets are likely to respond to these trends.

■ **Out to the burbs, or back to the city: What do upcoming demographic waves portend for metropolitan areas?**

Speaker:

*William A.V. Clark*, Professor of Geography, UCLA

■ **Will recent patterns in driving and transit use continue in the years ahead? The case for new trends in travel**

Speaker:

*Steve Polzin*, Associate, Center for Urban Transportation Research, University of South Florida

■ **A developer's perspective: What drives the evolution of travel and urban form?**

Speaker:

*Randall Lewis*, Executive Vice President, Director of Marketing, Lewis Operating Corporation

Discussion

5:30-6:30

Check-In and Reception

6:30-8:00

Dinner

8:00-9:30

**THE TRANSFORMATIVE EFFECTS OF TELECOMMUNICATIONS ON ECONOMIC AND SOCIAL LIFE: IMPLICATIONS FOR HOUSEHOLDS, TRANSPORTATION, AND LOCATION**

The first evening session of the symposium investigates the cumulative effects of the ongoing telecommunications revolution on both economic and social life, and the implications of these changes on the future of development and travel. The first presentation will examine what we have learned about how telecommunications affect travel, and the second will explore alternative urban futures given these transformative changes.

Speakers:

*Pat Mokhtarian*, Professor, Telecommunications and Travel Behavior Research Program, Institute of Transportation Studies, UC Davis

*Joel Garreau*, Author of *Edge City: Life on the New Frontier*, Principal, The Garreau Group

Discussion

9:30-11:00

Informal Reception



*Monday, October 20, 2008*

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8:45-10:15am

**HOW CAN “INTELLIGENT TECHNOLOGIES” HELP TO SOLVE OUR URBAN AND TRANSPORTATION PROBLEMS IN THE YEARS AHEAD?**

Does technology have the potential to dramatically improve the efficiency and safety of our transportation system? Is it more cost-effective than construction? The four presentations in this session will examine: *What are the implications for land use, mobility, energy, and the environment? What are the best roles for the public and private sectors? What policy changes are needed to make it happen?*

■ **Intelligent Planning and Institutions**

Speaker:

*Tom Horan*, Executive Director, Claremont Information and Technology Institute, Claremont Graduate School

■ **Intelligent Vehicles and Roads**

Speaker:

*Greg Larson*, Chief, Caltrans Division of Research & Innovation

■ **Intelligent Movement of Goods**

Speaker:

*Jesse Glazer*, Information Technology Systems (ITS) Engineer, Federal Highway Administration

■ **Intelligent Travelers**

Speaker:

*Melanie Crotty*, Director, Traveler Coordination and Information, Metropolitan Transportation Commission

Discussion

10:15-10:30

Break

10:30-12:00pm

**THE NEXT GENERATION OF MOTOR VEHICLE SYSTEMS IN A RESOURCE-CONSTRAINED WORLD**

Rising fuel prices have renewed consumer interest in fuel efficiency, and have raised concerns about the role of private vehicles in consuming petroleum resources, and contributing to both local air pollution and global climate change. This session explores the future of private vehicles in a resource-constrained world. Are they unsustainable, or will they be transformed into new, more environmentally benign forms?

■ **On the drawing boards: How far can technologies and fuels currently in development take us?**

Speaker:

*John German*, Manager of Environmental and Energy Analyses, American Honda Motor Company

■ **Smaller, lighter, smarter: What is the future of new, smaller, and smarter forms of personal mobility?**

Speaker:

*Geoffrey Wardle*, Director, Advanced Mobility Research Center, Art Center College of Design



■ **Energy for vehicles in a carbon-constrained world: What will it take?**

Speaker:

*Perry Wong*, Senior Managing Economist, Regional Economics, Milken Institute

Discussion

12:00-1:30

Lunch

1:30-3:15

■ **THINKING OUTSIDE THE BUS: THE FUTURE OF ALTERNATIVES TO PRIVATE VEHICLE TRAVEL**

Many believe that the future of sustainable mobility lies with public transit. But what forms will public transit take in the years to come and who will ride it? Does the future of transit lie with largely familiar buses and trains operating on fixed routes and schedules? Or are means of travel emerging that can offer meaningful alternatives to private vehicle travel in settings less conducive to traditional transit service? The presentations in this session will consider both current innovations and those still on the horizon.

■ **Emerging markets, evolving roles: Lessons from research on cost-effective ways to improve transit in the years ahead**

Speaker:

*Brian D. Taylor*, Professor and Chair of Urban Planning; Director, Institute of Transportation Studies, UCLA

■ **The Look of Carsharing Today: North America and Abroad**

Speaker:

*Susan Shaheen*, Research Director, Transportation Sustainability Research Center, UC Berkeley

■ **Paratransit for the masses: Can technological advances mainstream this niche mode?**

Speaker:

*Jay Jayakrishnan*, Associate Professor, Civil and Environmental Engineering, UC Irvine

Discussion

3:15-5:30

Free Time

5:30-6:30

Reception

6:30-8:00

Dinner

8:00-9:30

■ **INCREASING LOW-IMPACT TRAVEL IN CITIES: SUCCESSFUL EFFORTS TO INCREASE WALKING, BIKING, AND TRANSIT USE IN OTHER COUNTRIES**

There are striking similarities, and striking differences, in the travel patterns of metropolitan dwellers around the world. This evening session explores those similarities and differences with an eye toward ideas that might be applied to cities in the U.S.



■ **Comparing travel trends in the U.S., the developed world, and the developing world: What are the causes, consequences, and lessons for public policy?**

Speaker:

*John Pucher*, Professor, Urban Planning and Policy Development Program; Research Associate, Alan M. Voorhees Transportation Center, Rutgers University

■ **Planning for sustainable transportation systems in Asian and Latin American Cities: Some lessons learned**

Speaker:

*Dario Hidalgo*, New Business Development Director/Senior Transport Engineer, EMBARQ

■ **Planning for the next generation of transit in Toronto, Canada**

Speaker:

*Adam Giambrone*, Chair, Toronto Transit Commission, Canada

Discussion

9:30-11:00

Informal Reception



*Tuesday, October 21, 2008*

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8:45-10:30am

**SUSTAINABLE URBANISM: LINKING RESEARCH, POLICY, AND PRACTICE**

This penultimate session examines efforts to promote sustainable development and transportation systems locally, and around the world. The presentations will review efforts to use pricing to increase the efficiency and reduce the environmental costs of transportation systems, local efforts to begin planning for reductions in greenhouse gas emissions, and the latest plans to reduce the environmental footprints of air- and seaports.

■ **Paying for what we get: Progress in pricing transportation externalities to increase economic efficiency and environmental quality**

Speaker:

*Paul Sorensen*, Associate Operations Researcher, The RAND Corporation

■ **Implementing AB 32: A local government perspective**

Speaker:

*Ron Loveridge*, Mayor of Riverside, SCAQMD Board Member

■ **Global trade, greener airports: Dramatically reducing the environmental footprints of trade-related activities**

Speaker:

*Emanuel Fleuti*, Environment Manager, Zurich International Airport, Switzerland

■ **Global trade, greener seaports: Dramatically reducing the environmental footprints of trade-related activities**

Speakers:

*Alan Lowenthal*, Senator, State of California and Chair of the Select Committee on California Ports

*Robert Kanter*, Director of Planning and Environmental Affairs, Port of Long Beach

Discussion

10:30-10:45

Break

10:45-12:15pm

**WALKING THE TALK: LINKING LONG-RANGE FORECASTS WITH SHORT-TERM DECISION-MAKING**

This closing session asks some leading policy makers to lead a closing audience discussion by reflecting on the many presentations and discussions at this symposium from the perspective of their experiences in practice. What lessons can practitioners take in planning effectively for the future, and what challenges remain?

Speakers:

*Steve Heminger*, Executive Director, Metropolitan Transportation Commission

*Carol Whiteside*, Founder and President Emeritus, Great Valley Centre

Closing Discussion

12:15-1:45

Lunch and Adjournment