

World Symposium on Transport and Land Use Research (WSTLUR)

July 28-30, 2011

Westin Resort & Spa
Whistler, British Columbia

AGENDA

THURSDAY, JULY 28, 2011

8:00am - 8:30am Registration and Continental Breakfast – Alpine Foyer

8:30am - 9:00am Welcome – Alpine DE

- Kevin J. Krizek, Department of Planning and Design, University of Colorado
- David Levinson, Department of Civil Engineering, University of Minnesota
- Laurie McGinnis, Center for Transportation Studies, University of Minnesota

9:00am - 10:30am Session 1: Design – Alpine DE

Moderator: Susan Handy, Institute of Transportation Studies, University of California, Davis

- **Delivering the 'D' in Transit Oriented Development: Examining the Town Planning Challenge** - Carey Curtis, Department of Urban and Regional Planning, Curtin University
- **Community Design and How Much We Drive** - Wesley Marshall, Department of Civil Engineering, University of Colorado Denver
- **The Socio-Demographic and Built Environment Characteristics of Emissions in Neighborhoods Under Compactness and Sprawl: The Case of Charlotte, North Carolina** - Daniel Rodriguez, Department of City and Regional Planning, University of North Carolina at Chapel Hill

10:30am - 10:45am Networking Break – Alpine Foyer

10:45am - 12:15pm Session 2: Macro 1 – Alpine DE

Moderator: David Banister, School of Geography and the Environment, Oxford University

- **Measuring the Impacts of Local Land Use Policies on Vehicle Miles of Travel: The Case of the First Big Box Store in Davis, California** - Susan Handy, Institute of Transportation Studies, University of California, Davis
- **Recent Trends in the Travel Intensity of the U.S. Economy** - Chuck Kooshian, Center for Clean Air Policy
- **Urban Form and Travel Behavior: Experience from a Nordic Context** - Petter Naess, Department of Urban Planning, Aalborg University

12:15pm - 1:30pm Lunch and Panel Discussion: Research Needs for Goods Movement (sponsored by Transport Canada) – Alpine AB

Moderator: Jennifer Dill, School of Urban Studies and Planning, Portland State University

- Tom Oommen, Transport Canada
- Matthew Roorda, Department of Civil Engineering, University of Toronto

- 1:30pm - 3:00pm** **Session 3: Transit Planning – Alpine DE**
Moderator: Greg Yeomans, TransLink Canada
- **Towards Land-Use Supported Frequent Transit Services: The Case Study of Vancouver, British Columbia** - Javier Pacheco-Raguz and Lyle Walker, TransLink Canada
 - **Does Public Transit Use Increase the Economic Efficiency of Urban Areas?** - Matthew Drennan, Department of Urban Planning, University of California, Los Angeles; Charles Brecher, Robert F. Wagner Graduate School of Public Service, New York University
 - **Development of a Temporal and Spatial Linkage Between Transit Demand and Land Use Patterns** - Sanggu Lee, Department of Civil Engineering and Engineering Mechanics, University of Arizona
- Session 4: Subcenters – Alpine C**
Moderator: Lei Zhang, Department of Civil and Environmental Engineering, University of Maryland
- **Residential Location and Travel in a Polycentric City** - Petter Naess, Department of Development and Planning, Aalborg University
 - **Smart Growth Centers: An Evaluation of Incentive Policies in Four Metropolitan Regions** - Richard Margerum, Department of Planning, Public Policy and Management, University of Oregon
 - **Development of Employment Sub-Centers in Ahmedabad City, India** - Talat Munshi, Faculty of Planning and Public Policy, Center for Environmental Planning and Technology University
- 3:00pm - 3:15pm** **Networking Break – Alpine Foyer**
- 3:15pm - 4:15pm** **Session 5: Innovations Programs – Alpine DE**
Moderator: Jennifer Dill, School of Urban Studies and Planning, Portland State University
- **An Evaluation of Topography on Bike-Share Demand Projections** - Erica Wygonik, University of Washington
 - **How Price Strategy Impacts Participation in Neighborhood Transit Pass Programs** - Eric Stonebraker, College of Architecture and Planning, University of Colorado Denver
- 4:15pm** **Day 1 Sessions Adjourn**
- 6:00pm** **Conference Dinner – Alpine AB**
- 7:00pm** **Plenary Address: Triumph of the City – Alpine AB**
Moderator: Daniel Rodriguez, Department of City and Regional Planning, University of North Carolina at Chapel Hill
- Ed Glaeser, Fred and Eleanor Glimp Professor of Economics, Department of Economics, Harvard University

FRIDAY, JULY 29, 2011

- 8:00am - 8:30am** **Continental Breakfast – Alpine Foyer**
- 8:30am - 9:30am** **Plenary Address: Making the Transportation-Land Use Connection in Developing Countries – Alpine AB**
Moderator: Petter Naess, Department of Urban Planning, Aalborg University
- Robert Cervero, Professor of City and Regional Planning, Department of City and Regional Planning, University of California, Berkeley
- 9:30am - 10:30am** **Session 6: Local Distribution – Alpine AB**
Moderator: Bilal Farooq, Transportation and Mobility Laboratory, École Polytechnique Fédérale de Lausanne
- **What Makes Travel “Local”: Defining and Understanding Local Travel Behaviour** - Ahmed El-Geneidy, School of Urban Planning, McGill University
 - **A New Approach to Modelling Distance-Decay Functions for Accessibility and Transport Studies** - Tomás Eiró, Civil Engineering Department, Instituto Superior Tecnico

10:30am - 10:45am **Networking Break – Alpine Foyer**

10:45am - 12:15pm **Session 7: Macro 2 – Alpine AB**

Moderator: Eric Miller, Department of Civil Engineering, University of Toronto

- **Travel Behavior Change in a Transitional Economy: Case Study of Beijing Between 2000 and 2005** - Yizhen Gu and Elizabeth Deakin, Department of City and Regional Planning, University of California, Berkeley; Xiaodong Zhang, Beijing Municipal Institute of City Planning & Design
- **How Built-Environment Affect Travel Behavior: A Comparative Analysis of Travel Behavior and Land Use in U.S. Cities** - Lei Zhang, Department of Civil and Environmental Engineering, University of Maryland
- **How Did Rising Gasoline Prices Contribute to the Foreclosure Crisis? An Examination of the Housing Market Foreclosures in Metropolitan Phoenix, Arizona, 2007-2009** - Carol Atkinson-Palombo, Center for Transportation and Livable Systems, University of Connecticut

12:15pm - 1:30pm **Box Lunch and Networking – Alpine Foyer**

1:30pm - 3:00pm **Session 8: Bicycling – Alpine DE**

Moderator: Kelly Clifton, Department of Civil and Environmental Engineering, Portland State University

- **Why People Use Their Cars While the Built Environment Imposes Cycling** - Veronique Van Acker, Department of Geography, Ghent University
- **A Methodology to Study Bicycle Activity at Signalized Intersections and Its Link to Built Environment, Road and Transit Characteristics, Bicycle Facilities and Weather Conditions** - Jillian Strauss, Department of Civil Engineering and Applied Mechanics, McGill University

Session 9: Real Estate – Alpine C

Moderator: Nicholas Lownes, Center for Transportation and Livable Systems, University of Connecticut

- **Understanding Spatial Variations in the Impact of Light Rail Infrastructure on Land Value Using Geographically Weighted Regression** - Corinne Mulley, Institute of Transport and Logistics Studies, University of Sydney
- **The Impact of a New Light Rail System on Single Family Property Values in Charlotte, North Carolina** - Michael Duncan, Department of Geography and Earth Sciences, University of North Carolina at Charlotte

3:00pm - 3:15pm **Networking Break – Alpine Foyer**

3:15pm - 4:15pm **Session 10: Urban Dynamics – Alpine DE**

Moderator: Yingling Fan, Humphrey School of Public Affairs, University of Minnesota

- **Microsimulation Framework for Urban Price-Taker Markets** - Bilal Farooq, Transportation and Mobility Laboratory, École Polytechnique Fédérale de Lausanne; Eric Miller, Department of Civil Engineering, University of Toronto
- **A Methodology for Evaluating Land-Use, Parking, and Transit Supply Strategies on Mode Choice of Downtown Commuters** - Seyed Amir Zahabi, McGill University

Session 11: Value Capture – Alpine C

Moderator: Robert Cervero, Department of City and Regional Planning, University of California, Berkeley

- **Rail Integrated Communities in Tokyo** - John Calimante, Stantec
- **The Value Capture Potential of the Lisbon Subway** - Luis Martínez, Civil Engineering Department, Instituto Superior Tecnico

4:15pm - 4:30pm **Passing Time**

- 4:30pm - 5:30pm** **Session 12: Transit Stations – Alpine DE**
Moderator: Wesley Marshall, Department of Civil Engineering, University of Colorado Denver
- **Urban and Suburban Perception of Transit Stop Built Environment** - Abigail Osei-Asamoah, Center for Transportation and Livable Systems, University of Connecticut
 - **A Station-Level Ridership Model for the Subway Network in Montreal City** - Sabrina Chan, Department of Civil Engineering and Applied Mechanics, McGill University
- Session 13: Pedestrian – Alpine C**
Moderator: Sivaramakrishnan Srinivasan, Department of Civil and Coastal Engineering, University of Florida
- **Explaining Walking Distance to Public Transport** - Rhonda Daniels and Corinne Mulley, Institute of Transport and Logistics Studies, University of Sydney
 - **The Paths from Walk Preference to Walk Behavior: Applying Latent Factors in Structural Equation Modeling** - Matthew Coogan, New England Transportation Institute
- 5:30pm** **Day 2 Sessions Adjourn**
- 6:00pm** **Informal Reception – Alpine Foyer**
Dinner on your own
- 7:00pm** **Book Discussion: *Two Billion Cars: Driving Toward Sustainability* – Alpine AB**
Moderator: Kelly Clifton, Department of Civil and Environmental Engineering, Portland State University
- Dan Sperling, Institute of Transportation Studies, University of California, Davis

SATURDAY, JULY 30, 2011

- 8:00am - 8:30am** **Continental Breakfast – Alpine Foyer**
- 8:30am - 9:00am** **Session 14: Adventures with Automated Trains, Electric Buses, Smart Roadways and Supportive Land Use in Metro Vancouver – Alpine DE**
Moderator: Kevin J. Krizek, Department of Planning and Design, University of Colorado Boulder
- Mike Shiffer, TransLink Canada
- 9:00am - 10:30am** **Session 15: Distribution – Alpine DE**
Moderator: Michael Duncan, Department of Geography and Earth Sciences, University of North Carolina at Charlotte
- **Modeling the Land-Use Correlates of Vehicle-Trip Lengths for Assessing the Transportation Impacts of Land Developments** - Sivaramakrishnan Srinivasan, Department of Civil and Coastal Engineering, University of Florida
 - **An Agent-Based Model of Worker and Job Matching** - David Levinson, Department of Civil Engineering, University of Minnesota
 - **Impact of Light Rail Implementation on Labor Market Accessibility: A Transportation Equity Perspective** - Yingling Fan, Humphrey School of Public Affairs, University of Minnesota
- Session 16: Mode – Alpine C**
Moderator: Brian Lee, Transportation Research Center, University of Vermont
- **The Impact of Land Use Characteristics on Commute Behavior Changes Resulting from Temporary Freeway Closures: An Empirical Investigation from Northern California** - Susan Pike, Institute of Transportation Studies, University of California, Davis
 - **How Will Land Use Policies Affect Travel? The Importance of Residential Sorting** - Jason Cao, Humphrey School of Public Affairs, University of Minnesota; Daniel Chatman, Department of City and Regional Planning, University of California, Berkeley
- 10:30am - 10:45am** **Networking Break – Alpine Foyer**

- 10:45am - 12:15pm** **Session 17: Sustainability, Safety, and Systems – Alpine DE**
Moderator: Corinne Mulley, Institute of Transport and Logistics Studies, University of Sydney
- **Using a Multi-Criteria Decision Analysis Tool to Evaluate the Strategic Attainment of Sustainable Transportation in Developing Country Cities** - David Ling, School of Mechanical, Aerospace and Civil Engineering, University of Manchester
 - **Impacts of Low-Speed Vehicles on Transportation Infrastructure and Safety** - Katharine Hunter-Zaworski, School of Civil and Construction Engineering, Oregon State University
- Session 18: Economic Theory – Alpine C**
Moderator: Daniel Chatman, Department of City and Regional Planning, University of California, Berkeley
- **The Impact of Transport, Land and Fiscal Policy on Housing and Economic Geography in a Small-Open Growth Model** - Wei-bin Zhang, International School of Management, Ritsumeikan Asia Pacific University
 - **Indirect Impacts on the Regional Economy Caused By Accessibility Improvements in Public Transport: Case Study Vienna, Austria** - Juliane Stark, Institute for Transport Studies, University of Natural Resources and Life Sciences
 - **Public Investment in a Simulated Spatial Overlapping Generations Model with Heterogeneous Skill** - Ioannis Tikoudis, Royal Institute of Technology
- 12:15pm - 1:30pm** **Lunch and Plenary Address: Assessing the Reality: Transport and Land Use Planning to Achieve Sustainability – Alpine AB**
Moderator: Susan Handy, Institute of Transportation Studies, University of California, Davis
- David Banister, School of Geography and the Environment, Oxford University
- 1:30pm - 2:15pm** **Awards, Reflections, and WSTLUR 2014 – Alpine AB**
Moderator: Laurie McGinnis, Center for Transportation Studies, University of Minnesota
- Awards Presentation**
- Wesley Marshall, Department of Civil Engineering, University of Colorado Denver
- Next Steps**
- Kevin J. Krizek, Department of Planning and Design, University of Colorado Boulder
- Reflections**
- Daniel Chatman, Department of City and Regional Planning, University of California, Berkeley
 - David Levinson, Department of Civil Engineering, University of Minnesota
- 2:15pm** **Symposium Adjourns**
- 2:30pm** **Optional hike in mountains adjacent to Whistler – Meet in Westin Resort and Spa Lobby**
Coordinated by: Brian Lee, Transportation Research Center, University of Vermont
- Optional Peak 2 Peak Gondola Tour – Meet in Westin Resort and Spa Lobby**
Coordinated by: Bryce Tupper, Urban Gondola Specialist and Past Project Manager of the P2P Gondola
- 5:30pm - 6:30pm** **Meeting of the World Society on Transport and Land Use Research and Steering Committee (by invitation) – Alpine C**
- 6:30pm** **Dinner on your own**