



## 2008 Northwest Transportation Conference

### Making the Most of What We Have *Transportation Innovations for the 21<sup>st</sup> Century*

The 2008 NW Transportation Conference was held in Corvallis, Oregon from February 5<sup>th</sup> to the 7<sup>th</sup>. The conference included a keynote panel on maintaining future mobility and a total of 24 breakout sessions on different topics of transportation. A list of the sessions, speakers and their presentations are included below. Click on the title of the presentation to open the file.

#### Keynote Panel – Maintaining Future Mobility

- Stephen Andrle (SHRP 2 Capacity Program Manager, Transportation Research Board) – [Making the Most of What We Have: Challenges for the 21<sup>st</sup> Century](#)
- Rex Burkholder (Metro Councilor) – [A New Look at Transportation: Linking Land Use, Transportation and the Environment](#)
- Rod Diridon (Director, Mineta Transportation Institute) – [High Speed Rail: On a Roll - International, U.S. and California Updates](#)
- Stephen Lockwood (Parsons, Brinkerhoff, Quade and Douglas) – [Maintaining Mobility: Operations State of Play](#)
- Alan Pisarski (Economist and Independent Consultant) – [A Time for Action?](#)

#### Luncheon Special Guest Speaker

- Michael Meyer (Georgia Institute of Technology) – [Making the Most of What We Have: Transportation Innovations for the 21<sup>st</sup> Century](#)

#### 1A. ITS and Sustainability

- Gail Achterman (Oregon Transportation Commission)
- Marianne Fitzgerald (Oregon Department of Environmental Quality) – [ITS and Sustainability](#)
- Bill Kloos (Portland Department of Transportation) - [ITS & Sustainability: A System Operator's Perspective](#)
- Sharon Banks (Cascade Sierra Solutions) - [Greening the Fleet: Cleaner Air, Lower Carbon, and a Better Economy](#)



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#### 1B. How are the Freight Modes Working Together to Optimize Efficiency?

- Miguel Figliozzi (Portland State University) – [How are the Freight Modes Working Together to Optimize Efficiency?](#)
- Paul Zalec (Portland and Western Railroad) – [Portland and Western Railroad](#)
- Mark Schmidt (Burlington Northern-Santa Fe Railroad) – [Shortlines, the Feeder Network](#)

#### 1C. Coping with the Loss of Timber Revenue: How to Restructure a County Road Development

- Jon Oshel (Association of Oregon Counties) - [Coping with Expiration of PL-106-393](#)
- Robb Paul (Douglas County) – [Douglas County Roadways](#)
- Jim Busisman (Lincoln County) – [Lincoln County](#)
- Darrin Lane (Linn County) – [Linn County Road Department](#)
- Liane Welch (Tillamook County) – [Tillamook County Public Works](#)

#### 2A. New Concepts in Systems Operations and Management

- Jim Wright (AASHTO) – [VII Program Update](#)
- Les Jacobson (Telvent Farradyne) – [Active Traffic Efforts in the Seattle Area](#)
- Robin Mayhew (Puget Sound Regional Council) – [Active Traffic Management: The Next Step in Congestion Management](#)

#### 2B. Safer, Shorter, More Cost Effective Routes to School

- Constance Beaumont (Oregon Transportation and Growth Management Program) – [Safer, Shorter, More Cost Effective Routes to School](#)
- Julie Yip (ODOT Transportation Safety Division) – [Safe Routes to School](#)
- Shelia Lyons (ODOT Bike-Ped Program) – [Design for Walking and Bicycling](#)
- Sue Geniesse (Oregon Transportation and Growth Management Program) – [Planning for Safer Routes to Schools](#)



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#### 2C. Pavement Markings: Why, What, When, How & Who

- Nick Fortey (FHWA) – [Minimum Levels of Retroreflectivity for Pavement Markings](#)
- Ron Kroop (ODOT District 2A Maintenance) – [ODOT's Pavement Marking Program](#)

#### 3A. The Intelligent Path to Congestion Management

- Jim Peters (DKS Associates) – [Gresham Experience Operating an Adaptive Signal Control System](#)
- Deena Platman (Metro) – [Planning for Regional Mobility in the Portland Metro Region](#)
- Jim Hanks (JRH Engineering)

#### 3B. Innovations in Public Transit

- Stephano Viggiano (Lane Transit District)
- Graham Carey P.E. (AICP, BRT Project Engineer) – [Lane Transit District's EmX Project](#)
- Margaret B. Neal, Ph.D. (Institute on Aging, PSU) – [Our Aging Population: Trend and Effects on Transportation](#)

#### 3C. Environmental Stewardship

- Steve Keenon (Clean Water Services) – [Water Quality Treatment Facilities](#)
- George Fekaris (FHWA) – [Western Federal Lands](#)
- Mindy Trask (ODOT Geo-Environmental) – [ODOT Wildlife Hotspot Study](#)

#### 4A. Trends in Traveler Information

- Darcy Bullock (Purdue University) – [presentation](#) (compatible with Windows Vista only)
- Glen Hammer (ODOT ITS Unit) – [Avoid Unexpected Traffic Hazards](#)
- Kristin Tufte (PSU) – [Toward Understanding and Reducing Errors in Real-Time Estimation of Travel Times](#)
- Dave Crout (TriMet) [Transit Traveler Information at TriMet](#)



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#### 4B. Road Safety Audits

- Nick Fortey (FHWA) and Joel McCarroll (ODOT Region 4) – [Opportunities for Road Safety Audits](#)

#### 4C. Travel and Urban Form

- Marc Schlossberg (University of Oregon) – [Urban Form & Transportation](#)
- Yizhao Yang (University of Oregon) – [Planning and Designing the Built Environment for Active Living](#)
- Nico Larco (University of Oregon) – [Overlooked Density: Re-Thinking Transportation Options in Suburbia](#)

#### 5A. Traffic Incident Management

- Karen Dixon and Lei Zhang (Oregon State University) – [Barriers to Incident Management](#)
- David Veneziano (Western Transportation Institute) – [Applying Integrated Corridor Management to the Rural COATS Region](#)
- Rick Phillips (Washington State DOT) – [Making the Most of What We Have: Washington State TIM Initiatives](#)

#### 5B. Bike and Pedestrian Friendly Design Innovations for Intersections, Crossings, and Streets

- Jessica Roberts (Alta Planning + Design) – [Innovations in Bideway Design from Portland, OR](#)
- Jamie Parks (Kittelson and Assoc.) – [Intersection Design for Bicycles and Pedestrians](#)
- Erin Ferguson (Kittelson and Assoc) – [Roundabouts: Pedestrians and Bicyclists](#)
- Rob Inerfeld (City of Eugene) – [Bicycle and Pedestrian Connections in Eugene](#)



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### 5C. Infrastructure Monitoring

- Todd Scholz (OSU) – [Instrumentation and Analysis of a Perpetual Pavement on I-5](#)
- Barry Myers (Engineered Monitoring Solutions) – [When Do Structural Health Monitoring Systems Provide Value?](#)
- Steven Lovejoy (ODOT) – [A General Overview of Acoustic Emission Testing and it's Applications to Highway Infrastructure](#)

### 6A. Saving Lives With ITS

- Michael Maile (Daimler Chrysler) – [Cooperative Systems for Intersection Crash Avoidance](#)
- Rob Burchfield (Portland Depart. Of Trans.) – [Red Light Running Camera Program: Site Selectin and Safety Evaluation](#)
- Roger Lindgren (OR Institute of Technology) – [Assessing Ice Detection and Warning Systems](#)

### 6B. Getting People Out of their Cars, Travel-Smart and Other Mode Shift Strategies

- Pam Peck (Metro Reginal Travel Options) – [Drive Less, Save More](#)
- Jennifer Dill (PSU) – [Get Smart: Reducing Auto Use throught Individualized Marketing](#)
- Brent Zenobia (PSU) – [Psychological Insights on Transportation Mode Choice](#)
- Corey Schuster (David Evans and Assoc.) – [Working Towards Carfree Cities](#)

### 6C. Structures

- Chris Higgins (OSU) – [Research on Full-Size Reinforced Concrete Bent Caps in Shear](#)
- Peter Dusicka (PSU) – [Evaluating Oregon Highway Bridge Network for Seismic Risk](#)
- Michael Scott (OSU) – [A Prototype Open Source Bridge Management System](#)



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### 7A and 8A. What's New in Highway Design Guidelines, Handbooks and Manuals

- Karen Dixon (OSU) – [ITE Urban Street Geometric Design Handbook](#)
- Beth Wemple (Kittelson & Assoc.) – [The Highway Safety Manual: A New Tool for Safety Analysis](#)
- Jennifer Rosales (Parsons Brinkerhoff) – [Road Diet Handbook](#)
- Dick Albin (Washington State DOT) – [Recent or Upcoming Changes to AASHTO Roadside Design Guide](#)

### 7B. Road Pricing Research & Policy Development

- Starr McMullen and Lei Zhang (Oregon State University) – [Winners and Losers: Distributional Impacts of Highway User Fees](#)
- Jim Whitty (Oregon Department of Transportation) – [The Oregon Road User Fee Concept and Pilot Program](#)
- Robert Maestre (ODOT Planning) – [Tolling in Oregon: How Objectives Relate to Potential Applications](#)

### 7C. Innovations in Pavement

- Paul Klope (City of Eugene) – [Eugene Full-Depth Pavements: Size does matter](#)
- Sohila Bemanian (Optimum Pavement LLC) – [How to Do More with Less \\$\\$\\$](#)

### 8B. Intersection Safety

- Chris Monsere (PSU) – [Taking the City of Portland's High Crash Intersection Identification to the Next Level](#)
- Karen Dixon (OSU) – [High Speed Intersections: What More Can Be Done?](#)
- Mark Joerger (ODOT Research) – [Adjustment of Driver Behavior to an Urban Multi-Lane Roundabout](#)



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### 8C. Transportation Planning Rule, Re-zonings and Traffic Impact Analyses

- Bob Cortright (DLCD Transport & Land Use Planner) – [TPR, Rezoning and Traffic Impact Analyses](#)
- John de Tar (ODOT Region 2) – [TPR, Re-zoning and Traffic Impact Analyses: Significant Affect “Reasonably Likely” Highway Approach Road Permits](#)