EMERGING TECHNOLOGIES AND CITIES

OCTOBER 25, 2019  |  OAPA ANNUAL CONFERENCE  |  EUGENE, OR

Becky Steckler, AICP
Urbanism Next Center Program Director
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4.2 Billion Trips in 2018

38 Million Rides *(in first year)*

Level 4 Automation *(ordered 82,000 vehicles)*
16 Billion E-Commerce Packages Delivered in 2018
118 Packages/Household... One every three days...
1ST ORDER IMPACTS

- Parking
- Congestion
- VMT
- Walk
- Bike
- Transit
- Street/curb space challenge
- Delivery
- Trends in retail
CHANGE IS HAPPENING NOW.
SPEAKERS

Becky Steckler, AICP
Urbanism Next Program Director
University of Oregon

Katherine Kelly, AICP
Planning & Implementation Manager:
Comprehensive Planning
City of Gresham

Chris Henry, PE
Transportation Planning Engineer
City of Eugene
• Navigating New Mobility Final Report (October 2019)
• Emerging Technologies and Cities: Assessing the Impact of New Mobility on Cities Final Report (October 2019)
NEW MOBILITY POLICY TOPICS

1. Safety
2. Social equity
3. Active transportation
4. Congestion and vehicle miles traveled
5. Sustainability and environmental impacts
6. Design and management of the right-of-way
7. Land use and metropolitan footprint
8. Informed decision making
9. Managed innovation
10. Fiscal impacts and new mobility revenue
SCYP CLASSES

• Fall 2018: Budgeting Class (Lewis)
• Fall 2018: Industrial Ecology/Eugene (Skov)
• Winter 2019: Growth Management (Lewis)
• Winter 2019: Transportation (Brown)
• Winter/Spring 2019: Public Administration Capstone Class (Clark)
• Spring 2019: Introduction to AV Policy (Clark)
• Spring 2019: Advanced Design Studio/Gresham (Ribe)
• Spring 2019: Land Use Policy/Eugene (Yang)
PUTTING IT ALL TOGETHER

Bias for known transportation modes
PUTTING IT ALL TOGETHER

Who are new mobility services designed for?
PUTTING IT ALL TOGETHER

Prepare for land use changes related to parking...
PUTTING IT ALL TOGETHER

Prepare for land use changes related to parking... delivery...
PUTTING IT ALL TOGETHER

Prepare for land use changes related to parking... delivery... lockers...
PUTTING IT ALL TOGETHER

Prepare for land use changes related to parking... delivery... lockers... and warehousing
PUTTING IT ALL TOGETHER

New demands for space
1. Start with community values and goals
2. Coordinate with regional partners
3. Develop a data privacy and management plan
4. Track research and other efforts
5. Inform decision-makers and public about impacts
POLICY RECOMMENDATIONS

SAFETY
# Policy Recommendations

## Social Equity

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<thead>
<tr>
<th>Goal #1</th>
<th>Goal #2</th>
<th>Goal #3</th>
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<tbody>
<tr>
<td><strong>Increase Access to Mobility</strong></td>
<td><strong>Reduce Air Pollution</strong></td>
<td><strong>Enhance Economic Opportunity</strong></td>
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<tr>
<td>4. Reliability</td>
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<td>12. Inclusive Local Business &amp; Economic Activity</td>
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<td>5. Safety</td>
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POLICY RECOMMENDATIONS

ACTIVE TRANSPORTATION
POLICY RECOMMENDATIONS

CONGESTION AND VMT
Polaris Policy Recommendations - Right-of-Way Design and Management
POLICY RECOMMENDATIONS | LAND USE AND METROPOLITAN FOOTPRINT
POLICY RECOMMENDATIONS | DATA REQUIREMENTS, PRIVACY, MANAGEMENT, AND ANALYSIS
POLICY RECOMMENDATIONS | MANAGE INNOVATION
POLICY RECOMMENDATIONS

FISCAL IMPACTS AND OPPORTUNITIES
NATIONAL URBANISM NEXT CONFERENCE

MAY 13, 2020  PRE-CONFERENCE WORKSHOPS

MAY 14-15, 2020  CONFERENCE SESSIONS

Portland, OR
THE IMPACTS OF AUTONOMOUS VEHICLES AND E-COMMERCE on Local Government Budgeting and Finance

SUSTAINABLE CITIES INITIATIVE
UNIVERSITY OF OREGON PORTLAND

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