

# GLOBAL CLIMATE CHANGE, *Local Growing Pains*

27TH ANNUAL LAKE ARROWHEAD  
SYMPOSIUM *October 15 - 17, 2017*

## UCLA Arrowhead Symposium 2017

Working Program Draft  
August 2017

**Global Climate Change, Local Growing Pains**  
October 15-17

[Program Description](#)

### Sunday, October 15

Noon - 1:30	Optional Lunch (a la carte ticket)
1:30 - 2:00 PM	<p><b>Welcome and Overview</b></p> <p>The welcome session will explain conference logistics and introduce the “thematic structure” of the conference whereby the panels will flow from the context of our climate crisis, to a grappling with solutions in (and for) transportation and housing to putting the pieces together and looking at what’s ahead.</p> <p>Dr. Brian Taylor, UCLA Lewis Center/Institute of Transportation Studies</p>
2:00 - 2:30 PM	<p><b>Opening Keynote: Taking California’s Climate Leadership to the Next Level</b></p> <p>The federal government is retreating from global climate commitments, but California is charging ahead to fight climate change. The Cap and Trade Program, California’s landmark carbon credit market, recently emerged from a period of uncertainty after AB398 secured the program’s future. Much of the low-hanging fruit has been picked and 2020 targets have already been exceeded. State leaders and policy experts are now planning for how the state will meet the 2030 greenhouse gas reduction targets, while also meeting the challenges of housing a growing population in a state whose housing shortages have become legendary. What comes next and what strategies and leadership are needed to take</p>

	<p>California’s climate change progress to the next level?</p> <p>Dr. Ethan Elkind, Director of the Climate Change and Business Program, UC Berkeley/UCLA Schools of Law</p>
<p>2:30 - 3:30</p>	<p><b>Session 1: Living with Yesterday’s Housing and Infrastructure in Tomorrow’s Climate</b></p> <p>As its population continues to increase, California needs 180,000 new houses each year, yet less than half that number get built. As a result, residents live with the housing stock of a decade ago, and housing affordability has become a major issue in most cities across the state. At the same time, the form of much of the state’s current housing stock constrains residents’ travel options and limits the reach of traditional transit, and a lack of housing in areas with transit access drives people to longer commutes. This session examines this two-fold housing problem and asks, within this constrained context, what housing policies and transportation planning strategies will accommodate an ever growing population while meeting even more aggressive climate goals?</p> <ul style="list-style-type: none"> <li>● Talk 1: What drives us: the transportation choices we have and the ones we make             <ul style="list-style-type: none"> <li>○ Seleta Reynolds, LADOT</li> </ul> </li> <li>● Talk 2: Hotter, higher, hamstrung: Housing supply and constraints in California             <ul style="list-style-type: none"> <li>○ Ben Metcalf, Director, California Department of Housing and Community Development</li> </ul> </li> </ul> <p>Moderator: Steve Heminger, MTC</p>
<p>3:30 - 4 PM</p>	<p>Break</p>
<p>4:00 - 5:30 PM</p>	<p><b>Session 2: New Directions and Old Frameworks for Sustainable Urban Growth</b></p> <p>Sustainable development that accommodates population growth without inducing sprawl is a relatively new goal that rises in a thicket of old and ensnaring policies and practices. From outdated zoning to archaic and outfoxed environmental regulation, old frameworks inhibit efforts to build infill housing and “net zero” energy-efficient multi-family housing. Similarly, historically underpriced transportation costs and local parking requirements promote auto use and distort housing choices, even in dense transit rich areas, contravening climate and VMT goals. And, while anti-sprawl goals, such as those ensconced in SB 375, encourage dense urban living, the growing volume of goods delivered to those populated centers increasingly comes from logistics complexes that get built in ever outlying areas. This session introduces the theme of “mixed signals” that</p>

	<p>complicate effective climate action.</p> <ul style="list-style-type: none"> <li>● Talk 1: CEQA versus sustainable housing: Overcoming environmental law challenges to infill development             <ul style="list-style-type: none"> <li>○ Chris Ganson, Governor’s Office of Planning and Research</li> </ul> </li> <li>● Talk 2: Bundling travel behavior and costs in housing decisions             <ul style="list-style-type: none"> <li>○ Dr. C.J. Gabbe, Assistant Professor, Santa Clara University</li> </ul> </li> <li>● Talk 3: Click to sprawl: a look at the land use and emissions impacts of consumer-driven logistics             <ul style="list-style-type: none"> <li>○ Dr. Laetitia Dablanc, French Institute of Science and Technology for Transport, University of Paris-East</li> </ul> </li> </ul> <p>Moderator: Dr. Kian Goh, UCLA</p>
5:30 - 6:30 PM	Check-in and reception
6:30 - 8:00 PM	Dinner
8:00 - 9:30 PM	<p><b>Panel 3: Building Our Way Towards Lowering Transportation Emissions</b></p> <p>Building denser and more comprehensive neighborhoods is a well-known and propitious method for reducing vehicle miles traveled. This, of course, is an important strategy for achieving further reductions in GHG emissions. But such climate-efficient housing is only effective if there is enough of it and people can afford to live there. Increasingly, affordable housing is difficult to find precisely in the dense cities and neighborhoods where the transportation and environmental gains from more people living there would be greatest. Instead, cheaper housing farther afield draws people into longer commutes and more car-dependent travel. This session explores the question of why dense, urban housing is often out of reach and outlines strategies for developing the “missing middle” in housing and enabling car-free living.</p> <p>Proposed short talks:</p> <ul style="list-style-type: none"> <li>● Talk 1: Upzoning: Upending the Status Quo             <ul style="list-style-type: none"> <li>○ Dr. Paavo Monkkonen, UCLA</li> </ul> </li> <li>● Talk 2: Streamlining housing production             <ul style="list-style-type: none"> <li>○ Senator Scott Wiener [invited]</li> </ul> </li> <li>● Talk 3: Development without displacement             <ul style="list-style-type: none"> <li>○ Dena Beltzer, Strategic Economics</li> </ul> </li> </ul> <p>Moderated discussion to follow short presentations.</p> <p>Moderator: Dr. Greg Morrow, Pepperdine University</p>

9:30 - 11:00 PM	Informal Reception
-----------------	--------------------

**Monday, October 16**

7:45 - 8:30 AM	Breakfast
8:30 AM - 10 AM	<p><b>Session 4: Planning Around Parochialism: Broadening Public Benefits in Land Use</b></p> <p>Many housing and transportation projects that would further regional and state progress in meeting climate goals regularly face the peril of parochialism. Local governments bring their own concerns to bear in ways that can undermine benefits to the region, as when a city’s development improves its tax base but imposes costs on neighboring jurisdictions. Projects that give the public diffuse environmental benefits from greater density and lower VMT contend with focused opposition from localized interests. In neighborhoods everywhere, small constituencies, by bringing complaints and lawsuits, wield effective veto power over projects that would increase density or increase traffic. Even where projects are built, the process of opposition adds delay and expense, ultimately borne by new residents and the public. What could be a democratic process for considering stakeholder concerns and negotiating around them is sometimes subverted by necessarily rigid procedures and hidebound regulations. This session discusses the problem of parochialism and explores strategies for enabling plans and developments that serve new constituents and the public interest.</p> <ul style="list-style-type: none"> <li>● Talk 1: Regional goals, local land use: SB 375 and the city-region collective action problem             <ul style="list-style-type: none"> <li>○ Dr. Gian-Claudia Sciara, University of Texas</li> </ul> </li> <li>● Talk 2: Anywhere but here: The unmanaged effects of managed growth             <ul style="list-style-type: none"> <li>○ Dr. Taner Osman, UCLA Department of Urban Planning</li> </ul> </li> <li>● Talk 3: Department of Neighborhoods: Seattle’s shake up of the NIMBY power structure             <ul style="list-style-type: none"> <li>○ Kathy Nyland, Seattle Department of Neighborhoods</li> </ul> </li> </ul> <p>Moderator: Dr. Susan Handy, UC Davis Institute of Transportation Studies</p>
10:00 - 10:30 AM	Break

<p>10:30 - 12:00 PM</p>	<p><b>Session 5: Integrated, Deep Climate Action Planning: Needs, Challenges, and Approaches for Success</b></p> <p>A changing climate requires changes in planning approaches and tools. Hundreds of cities and jurisdictions have adopted or are drafting Local Climate Action Plans that set goals for reducing GHG emissions and adapting to a changing climate. These plans exist, however, alongside other established local planning practices and policies, some of which may conflict with the goals or implementation of the Climate Action Plans. In few cases do these plans reflect the latest scientific understanding of mitigation and adaptation needs. Most also take a short-sighted view of a long-range problem, using metrics that obfuscate mitigation needs and provide cover for deferring implementation of critical actions.</p> <p>This session examines what the latest research portends for deep, integrated climate mitigation and adaptation planning, discusses challenges to implementation, and explores approaches for deep integration of climate action within existing and new local and regional planning processes.</p> <ul style="list-style-type: none"> <li>● Talk 1: Integrated Transportation, Land Use, and Infrastructure Planning for Deep GHG Reductions             <ul style="list-style-type: none"> <li>○ Dr. Mike Chester, Arizona State University</li> </ul> </li> <li>● Talk 2: Challenges to Climate Action Planning             <ul style="list-style-type: none"> <li>○ Dr. Adam Millard-Ball, UC Santa Cruz</li> </ul> </li> <li>● Talk 3: Implementing Integrated Climate Planning             <ul style="list-style-type: none"> <li>○ Tammy Seale, Placeworks</li> </ul> </li> </ul> <p>Moderator: Juan Matute, UCLA Lewis Center / Institute of Transportation Studies</p>
<p>12:00 - 1:30 PM</p>	<p>Lunch - Potential “theme tables” to check in at the halfway point</p>
<p>1:30 - 3:00 PM</p>	<p><b>Session 6: Pricing and Technology as Transportation Inputs to a Greener Climate</b></p> <p>Transportation’s large share of an average household’s expenditures (second only to housing) reflects the high value individuals place on their mobility but also the many inefficiencies in each aspect of personal automobile transportation. From the energy loss inherent in combustion engines, to the resources tied up in a household’s multiple and mostly idle cars, to the time and fuel spent spanning stretched-out distances that sprawl forces people to travel, car travel imposes many opportunity costs. Prices that would moderate consumption of such costly goods and avoid their waste are notoriously misaligned (or even absent) in car travel, resulting in VMT being an especially significant environmental threat.</p>

	<p>Technology is, however, rapidly changing this context: pricing per-mile of travel is now feasible, efficient electric vehicles that are gaining in range appear poised to take over, and travel behavior is sure to change as a result. This session will survey the effects of technology-enabled pricing on land use and of electric vehicles in reducing emissions, and will then discuss advancing environmental goals in the midst of these big changes in travel behavior and technology.</p> <ul style="list-style-type: none"> <li>● Talk 1: It’s the pricing, stupid: How transportation costs drive travel choices and shape land use             <ul style="list-style-type: none"> <li>○ Dr. Mike Manville, UCLA</li> </ul> </li> <li>● Talk 2: Disruption Ahead – Reconciling SB 1’s gas tax increase with the reality of technological change and the imperative of shifting travel behavior             <ul style="list-style-type: none"> <li>○ Ellen Greenberg, Caltrans</li> </ul> </li> <li>● Talk 3: Density and delivery: A look at where delivery services reduce VMT over passenger vehicle travel and where they do not             <ul style="list-style-type: none"> <li>○ Dr. Anne Goodchild, University of Washington</li> </ul> </li> </ul> <p>Moderator: Therese McMillan, Los Angeles County Metropolitan Transportation Authority</p>
3:00 - 5:30 PM	Free Time
5:30 - 6:30 PM	Reception
6:30 - 8:00 PM	Dinner
8:00 - 9:30 PM	<p><b>Panel 7: Climate Justice for All: Discussions of Change and Displacement</b></p> <p>Hurricane Harvey is the latest reminder of how many people are vulnerable and may be displaced due to climate change’s increasing effects, some of the worst of which threaten some of society’s poorest people, who stand to lose their homes, their livelihoods, and their health. Both record rainfall and poor planning bring and inflict suffering upon those in harm’s way and who are least able to prepare for disasters or rebound afterward. Similarly, long and ongoing droughts threaten low-income and agricultural communities whose need for more mitigation and strategies for adaptation is clear. As the effects of climate change worsen and hurricanes and floods become more frequent and intense, some historically marginalized communities that are located in traditionally overlooked high-ground areas now face the new threat of “climate gentrification.” This panel will discuss the increasingly urgent question of how to prevent displacement based on factors outside of residents’ control, a familiar economic problem that has now also become an environmental one.</p>

	<ul style="list-style-type: none"> <li>● Talk 1: Urban aftermath: Re-building communities after climate catastrophes             <ul style="list-style-type: none"> <li>○ Christof Spieler, Morris Architects/Houston METRO</li> </ul> </li> <li>● Talk 2: Climate resilience in the Central Valley: Stories of mitigation and strategies for adaptation             <ul style="list-style-type: none"> <li>○ Veronica Garibay, Leadership Counsel</li> </ul> </li> <li>● Talk 3: Low income, high ground: Climate gentrification in weather-safe neighborhoods             <ul style="list-style-type: none"> <li>○ Valencia Gunder, Make The Homeless Smile/New Florida Majority</li> </ul> </li> </ul> <p>Moderated discussion to follow short presentations.</p> <p>Moderator: Bonny Bentzin, UCLA</p>
9:30 - 11:00 PM	Informal Reception

**Tuesday, October 17**

7:45 - 8:30 AM	Breakfast
8:30 - 10:30 AM	<p><b>Session 8: Global Concern, Local Incremental Action</b></p> <p>Climate accords may be international, and laws national and state, but implementation is ultimately local. This concluding panel discusses concrete examples of innovations and approaches that advance environmental goals and offer the promise of better land use.</p> <ul style="list-style-type: none"> <li>● Talk 1: Housing in the backyard: Auxiliary Dwelling Units in LA             <ul style="list-style-type: none"> <li>○ Jason Neville, Building Blocks</li> </ul> </li> <li>● Talk 2: Certifying the transportation benefits of green development: A case study from the GreenTRIP program             <ul style="list-style-type: none"> <li>○ Ann Cheng, TransFORM</li> </ul> </li> <li>● Talk 3: Green Eugene: A small city's plan to reach big climate goals             <ul style="list-style-type: none"> <li>○ Terri Harding, City of Eugene</li> </ul> </li> <li>● Talk 4: Getting agencies to work together on environmental stewardship and social equity             <ul style="list-style-type: none"> <li>○ Randall Winston, Strategic Growth Council</li> </ul> </li> </ul> <p>Moderator: John Gahbauer</p>
10:30 - 11 AM	Break

11:00 - noon	<b>Reflections</b> <ul style="list-style-type: none"><li>● Policy Californication: What California's leadership on climate will look like and how other states and regions can follow California's lead.</li></ul> <p>Cecilia Estolano, ELP Advisors Trent Lethco, ARUP</p> <p>Moderator: Dr. Brian Taylor</p>
noon - 1:30 PM	Concluding Lunch