

Fehr & Peers

# The Future of Parking in an Autonomous Driving World



PLANNING  
COMMISSIONERS ACADEMY

MARCH 11-13, 2026

ANAHEIM, CA

## Introduction



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San Diego, CA

Boise State University, B.A. Environmental Studies & Sustainability

7 years consulting in Parking & Mobility Industry

*Specialize in helping cities efficiently and equitably manage their valuable parking and curbspace resources.*

**Fehr & Peers**

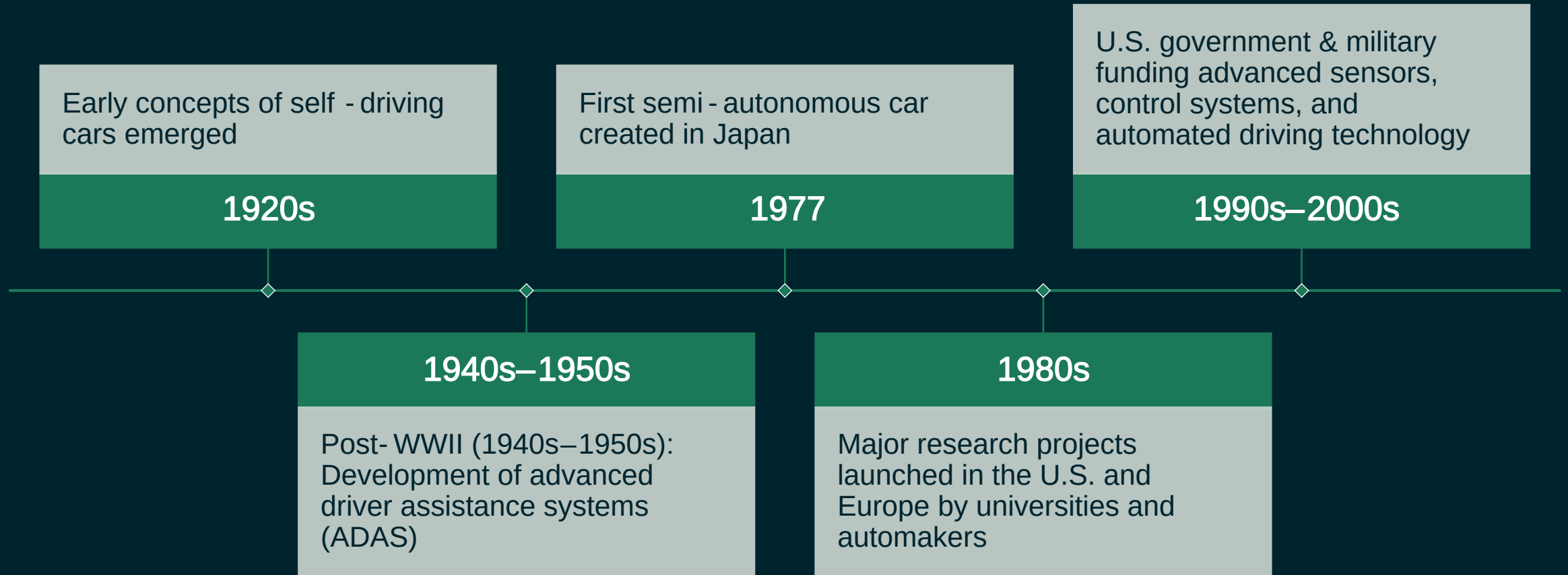


Source: <https://medium.com/@moncefboujon96/the-future-of-autonomous-vehicles-how-computer-vision-is-steering-the-way-372d63406e89>

# Session Objectives

- Contemplate the **future of an autonomous - driving world**
- Consider how AVs may transform **curb management and access**, but present new challenges for today's environment
  - Infrastructure
  - Policy
  - Enforcement
  - Planning
- Takeaway considerations to **prepare for the decades ahead**

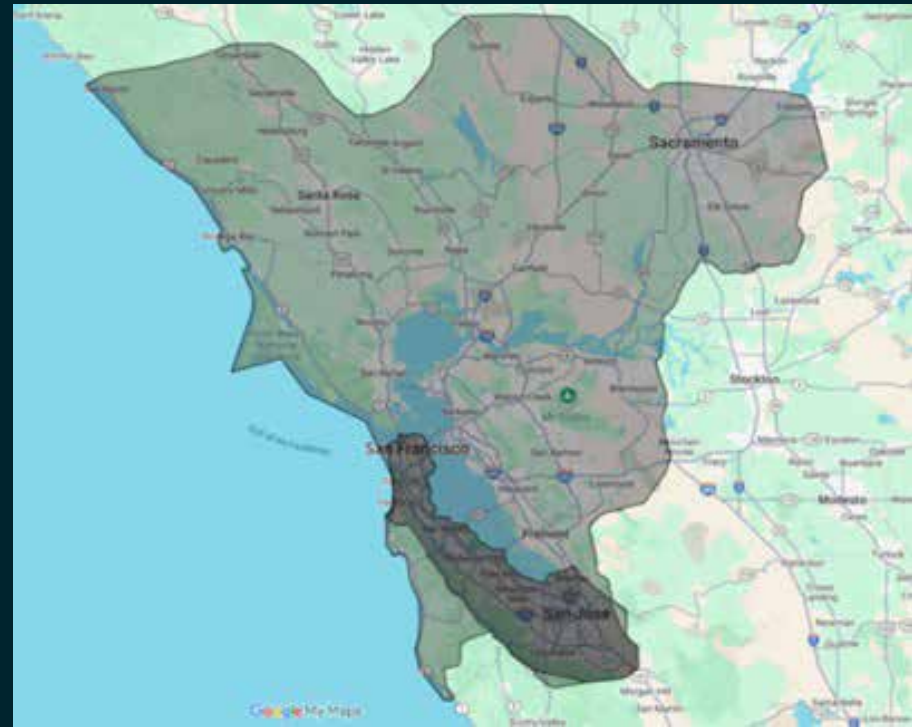
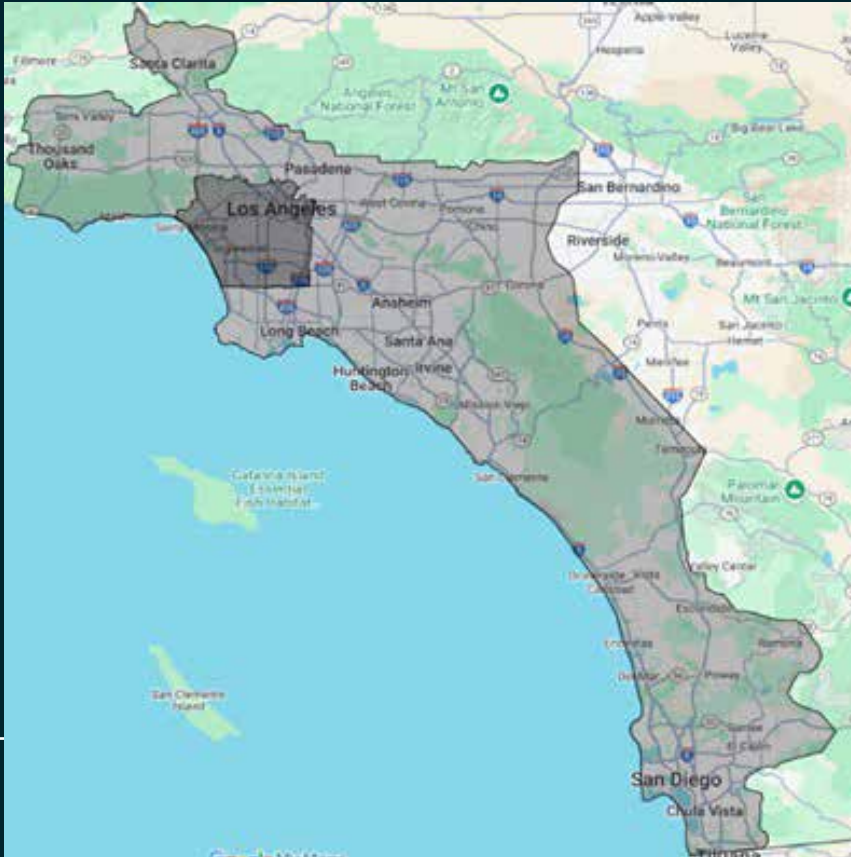
# How did we get here?





# Where are we now?

## *Waymo Approved Areas of Operation*



## CA DMV issues AV Permits:

- 30 companies Testing w/Driver
- 6 companies Testing Driverless
- 3 companies authorized deployment

# Where are we now?

Autoblog

## Waymo Robotaxis Crash in San Francisco Just Days After One Helped Deliver a Baby

From a weird crash on a dead-end road to a miracle birth, Waymo's driverless taxis have brought all the drama this December.



LETTERS

## Letter: City-informed research needed for safe deployment of automated vehicles

October 22, 2025



## CA Teamsters call for suspension of Waymo's operating license after child hit in Santa Monica

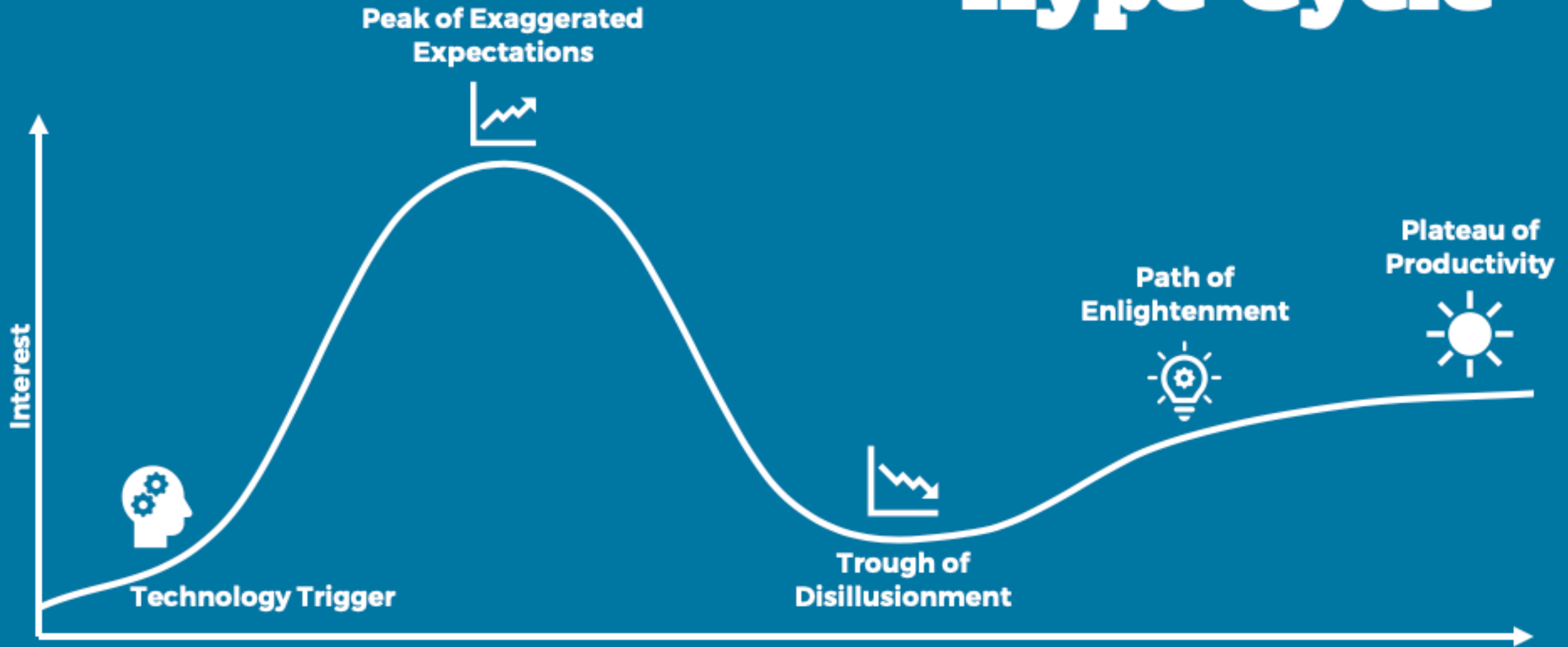


Monday, February 2, 2026



# Where are we going?

## Hype Cycle





# Consider case studies of other technology:



## Rideshare

Companies aggressively displaced taxis using a “bulldoze” strategy - entering markets without permission, leveraging venture capital to subsidize low fares.



## Micromobility

Companies showed up and cities pushed back, some found a way to be compatible. But many companies could make it work.



## EVs

Began as a technology for the wealthy, significant government support democratized access. Expansion relies on continues support through policy & infrastructure.



# What autonomous driving future do you see?

A vibrant, stylized illustration of a futuristic city. In the foreground, a sleek, white autonomous vehicle is shown from a high-angle perspective, with three passengers inside. The vehicle is traveling on a multi-lane road with red dashed lines. In the background, a red car is visible on the road. To the right, a large, red, spherical structure with a grid pattern stands prominently. Further back, a modern city with various buildings and a large, curved structure is visible under a bright, yellow sky.

Robotaxis

Personally Owned AVs

AVs for Movement of Goods

Unknow Application?

# What could AVs mean for parking?



## More Efficient Operations:

AVs can self-park, communicate with parking systems, reduce traffic congestion from searching for parking



## Dynamic Parking Management:

Real-time data from AVs could enable smart parking demand management



## Changes in Parking Revenue :

Cities may see reduced parking fee revenue, requiring new funding strategies



## New enforcement challenges:

No driver to communicate with, vehicles aren't bound to be parked near their passenger

# What could AVs mean for infrastructure?

## Parking Garages:

AVs are often EVs, which weigh more than traditional vehicles and may require stronger structural design, updated ventilation, and integrated charging infrastructure

## EV Charging Infrastructure:

Robotaxis rely on centralized charging/service hubs, reducing the need for public charging but increasing demand for fleet - scale charging facilities

## Access & Circulation:

Building access shifts away from parking, to dedicated pick - up/drop - off zones and redesigned curb space

## Street Design:

Narrower lanes, clearer lane markings, and digital mapping to support navigation. Vehicle - to - infrastructure (V2I), and smart systems



# AV Readiness Strategies are needed:



**Safety**



**Operations**



**Travel  
Models**



**Street  
Design**



**Parking &  
Loading**



**Curbs &  
Pricing**



**Staff  
Coordination  
& Training**



**Data**

# Preparing for AVs

1. Understand the legal and political context
2. Identify a **robotaxi point person**
3. Start learning from peer cities
4. Develop a **curb - management strategy**
5. Coordinate across disciplines

*Consider what you need to serve your users, not just vehicles*

# Thank you!



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CALIFORNIA  
CITIES

**COMMISSIONERS** **PLANNING** **ACADEMY**

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# Resources

- National Association of City Transportation Officials. [Robotaxis Aren't Coming, They're Here](#) . 2026.
- National Association of City Transportation Officials. [Principles for Autonomous Vehicles on City Streets](#) . 2024.
- National Association of City Transportation Officials. [Blueprint for Autonomous Urbanism](#) . Second Edition. 2019.
- Hit the Road, Mac: [The Future of Self - Driving Cars: Testimony Before the Committee on Commerce](#) , 119th Cong. (2026) (statement of Bryant Walker Smith, Associate Professor of Law at the University of South Carolina)
- Missing Cummings, “Are We There Yet? Assessing Hazards for Self Driving.” MIT Mobility Forum #157 moderated by Jinhua Zhao, October 24, 2025, 59 min., 16 sec., [https://www.youtube.com/watch?v=ZJOfm76\\_pr4](https://www.youtube.com/watch?v=ZJOfm76_pr4) .
- Dan Hennessey, Mallory Scates, and Jimmy Jessup. ITE Technical Brief: [Potential Secondary Effects of Increasing Automation](#) . 2025.
- Transportation Association of Canada. Connected and Automated Vehicles: [A Primer for Canadian Municipalities](#) . 2022
- Transport Canada. “[Connected and automated vehicle safety: Federal, provincial or territorial, and municipal responsibilities.](#)” Last modified August 13, 2021.
- Federal Highway Administration and University of California Los Angeles [Center of Excellence on New Mobility and Automated Vehicles](#)



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