



**IRF WORLD ROAD
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**Will Transportation's Transformation
Be Utopian or Dystopian?**

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Transformational Technologies

- Connected vehicles
 - V2V, V2I, V2X
- Automated vehicles
 - Highly automated, driverless
- Shared mobility services
 - Single ride, shared ride
- Autonomous transit vehicles
 - First mile, last mile
- Autonomous and connected trucks
 - Platoons, safety information
- Zero emission vehicles
 - Electric vehicles
- Connected, autonomous, electric mobility
 - Mobility as a Service

What do we want to achieve from a policy perspective?

- Deploy these technologies in a manner and timeframe that informs policy to best meet the following long-term policy goals:
 - Increasing safety
 - Reducing congestion
 - Enhancing accessibility
 - Increasing environmental and energy sustainability
 - Encouraging economic development
 - Ensuring equity
 - Ensuring security
- How do we do this in a way that does not result in unintended negative consequences?

Policy Issues

- How to intervene to achieve policy goals
- Heavy vs. light legislative/regulatory role
- Role of different levels of government
- Roles of government vs. private sector
- Impacts on transit; how must transit adapt
- Workforce issues
- Infrastructure requirements
- Land use changes; parking requirements
- Impacts on travel demand and congestion
- Auto ownership
- Insurance; liability
- Data management
- Cybersecurity
- Impacts on finance and revenues
- Public education, acceptance