

How communications will change vehicles and transport?

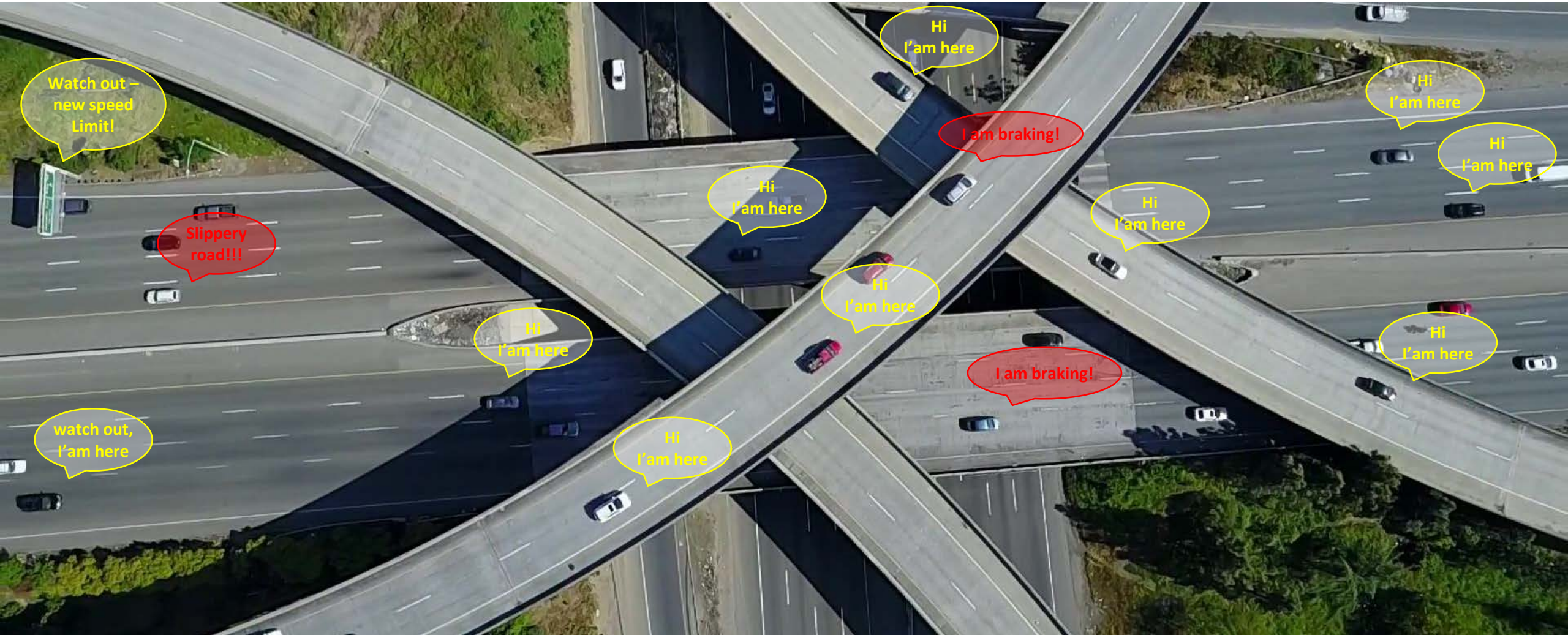
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ITU/SAE Workshop, Detroit

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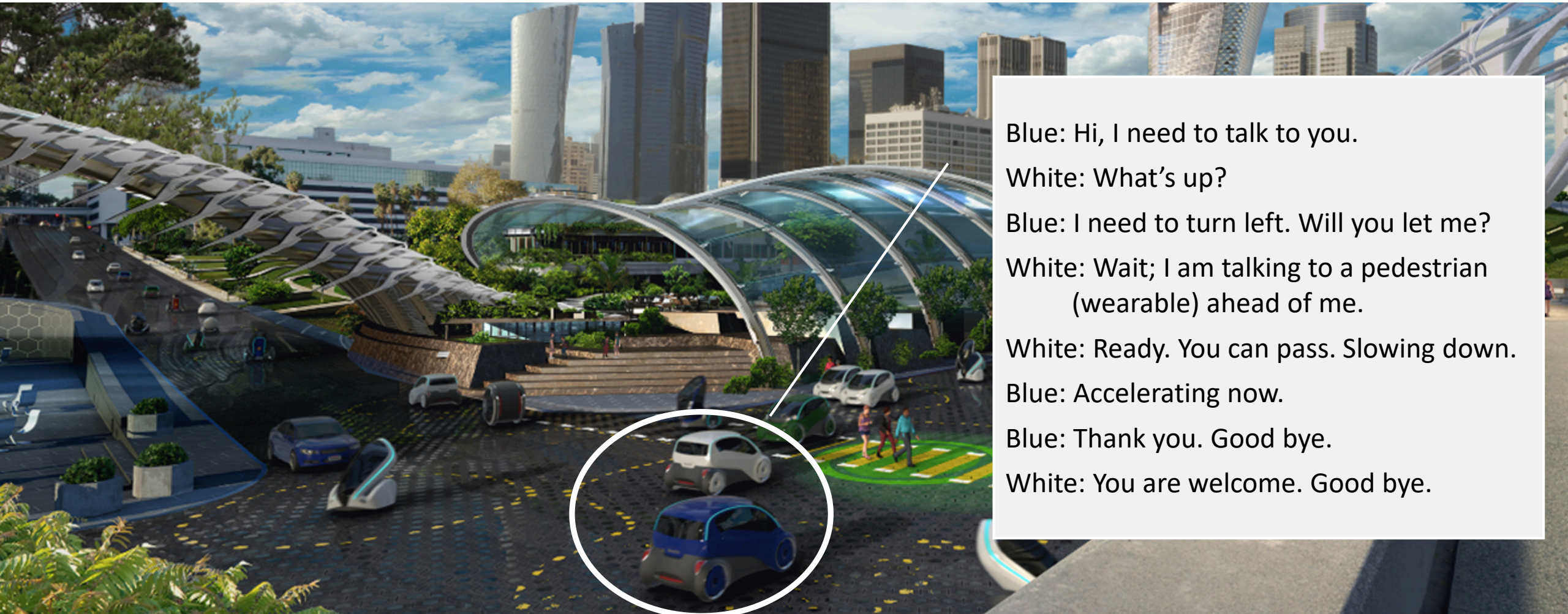


Vehicle-to-Everything: where we are today



Traffic agents are beacons enabling cooperative awareness

Vehicle-to-Everything: where we need to go



Blue: Hi, I need to talk to you.
White: What's up?
Blue: I need to turn left. Will you let me?
White: Wait; I am talking to a pedestrian (wearable) ahead of me.
White: Ready. You can pass. Slowing down.
Blue: Accelerating now.
Blue: Thank you. Good bye.
White: You are welcome. Good bye.



Traffic agents engage in conversations

V2X is not just an awareness “sensor”

- To address future needs, we are working with like-minded companies in 5GAA to develop use cases and influence standards development
- Sample use cases being promoted:
 - Group Start
 - Cooperative Maneuvers of Autonomous Vehicles
 - Remote Automated Driving Cancellation
 - Automated Intersection Crossing
 - Autonomous vehicles parking by remote driving
 - High Definition Sensor Sharing



Such future is a lot closer than you may think



WITHOUT ACC

Imagine what you can do with just a bit of information



WITH ACC



<https://www.youtube.com/watch?v=2GYfXxVn2Oc>