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NSF Millimeter-Wave RCN 3rd Workshop

Tucson, AZ

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View from AT&T

5G engagement in 2018

Announced 5G service coming to 12 US cities in 2018

- Based on 3GPP NR spec
- *Mobile* as well as fixed

5G mmWave trials at Magnolia Market

- mmWave serving as backbone for Wi-fi
- 5000 visitors per day

Developing internal 5G NR testbed

- Prototype and test the whole NR stack



View from AT&T

New services

V2X and connected car is more than eMBB

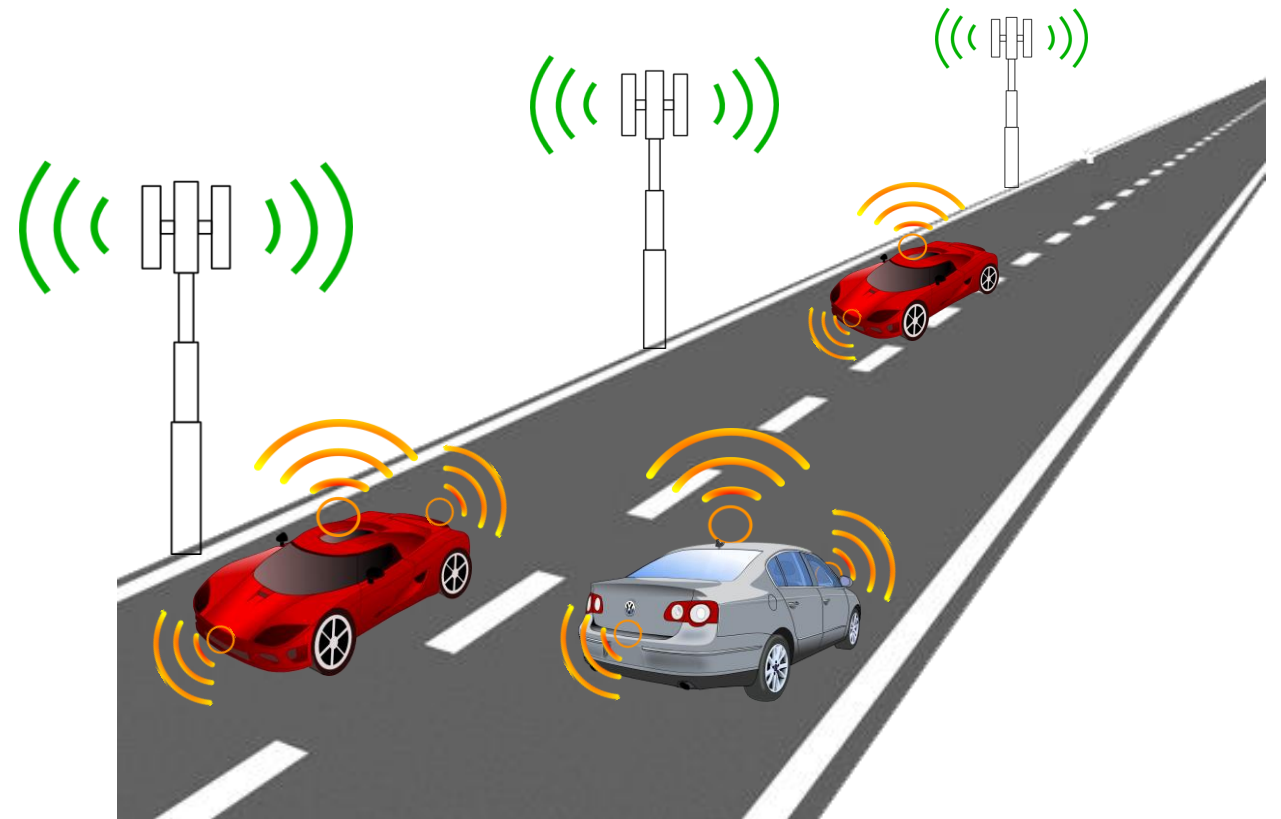
- Sensor fusion
- Edge compute
- Beam management at mmWave

New mobility lab in Austin

- Collaboration with unis & industry
- Enable high-speed mobility at mmWave

Low resolution mmWave

- High dimensional arrays to give 'true' MIMO





AT&T