



Radar Based Imaging for Automotive Applications



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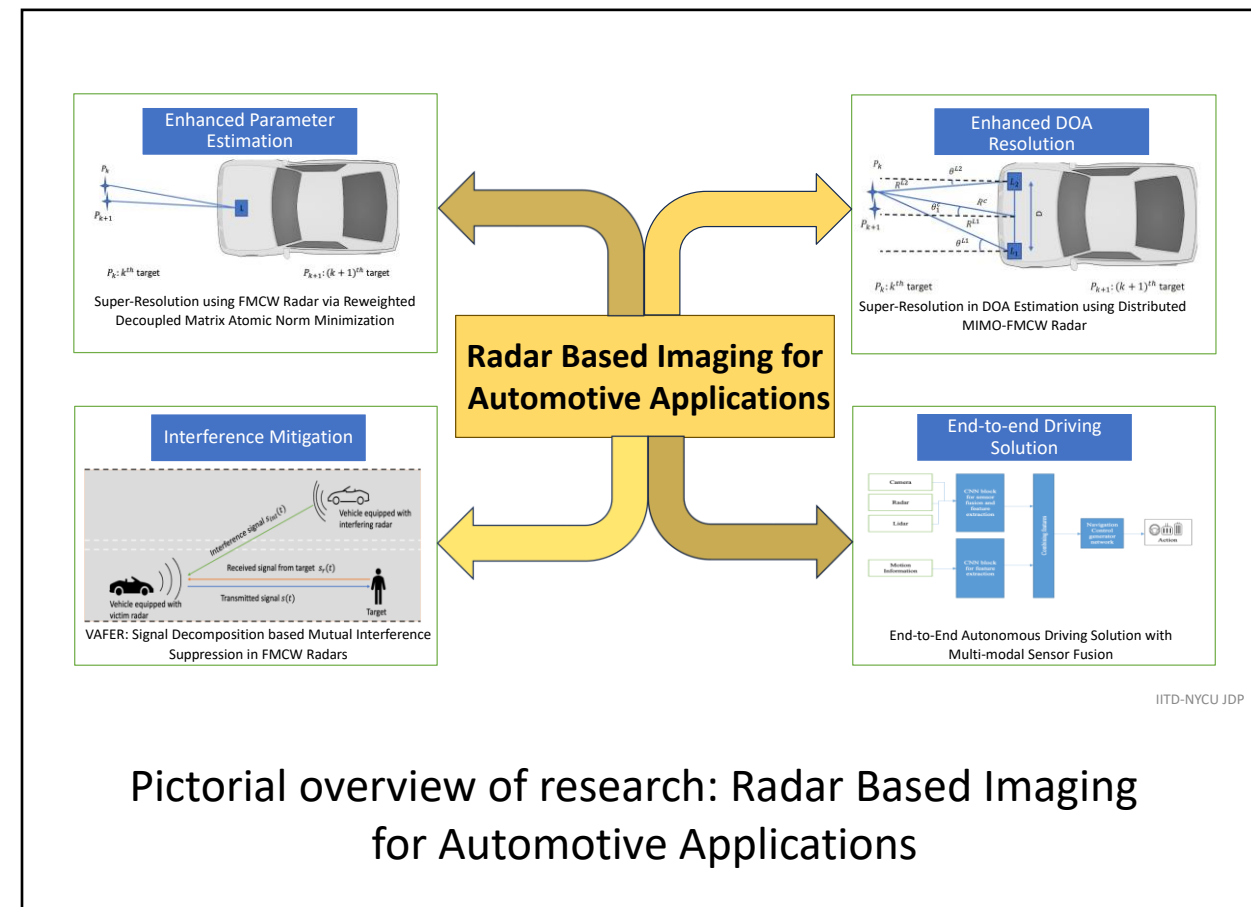
Current status/stage of your JDP: Comprehensive completed.

Research highlights

- Research pertains around identifying the challenges in employing radars for automotive applications and formulate strategies to mitigate them.
- Super-resolution parameter estimation method to jointly estimate the range and velocity of targets for automotive radar.
- Formulated strategies to mitigate radar-to-radar interference problem in automotive radars.
- Developed a distributed MIMO-FMCW radar system to improve the DOA resolution in automotive radars.
- Multi-modal sensor fusion strategies for enhanced perception in autonomous driving technology.

Significant Achievements

- Recipient of **MediaTek Foundation Scholarship**, Fall 2022



Pictorial overview of research: Radar Based Imaging for Automotive Applications