

One example of our work:

Challenge:

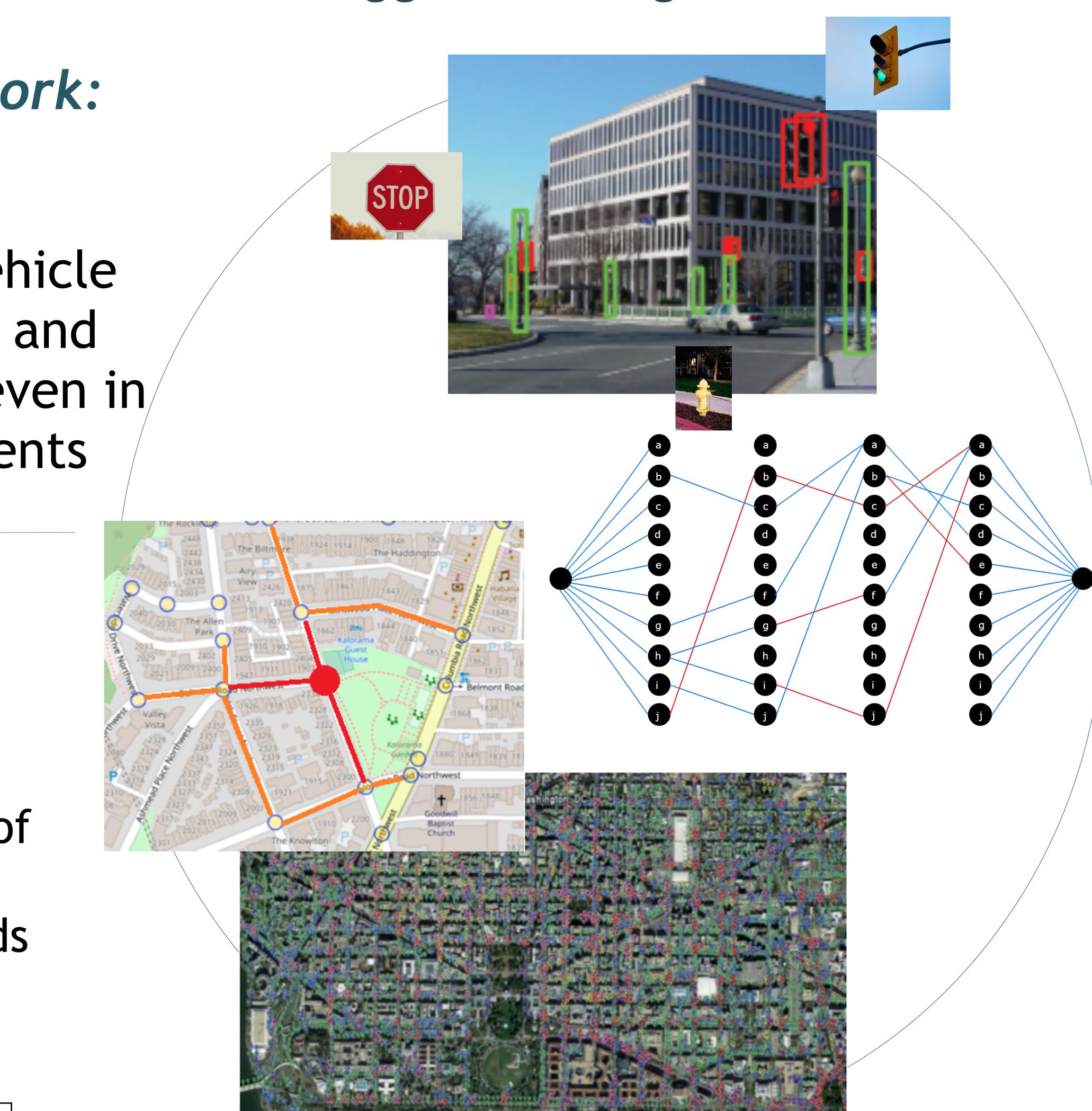
•A fully autonomous vehicle should be able to fast and reliably self localize even in **GPS-denied environments**

Solution:

- Use sensors to detect landmarks
- •Use groups sequences of commonly available landmarks as codewords

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CPS: Medium 1740047: Distorting the adversary's view: a CPS approach to privacy and security Pls: S. Diggavi, C. Fragouli, P. Tabuada



localization guarantees

> **Broader Impact:** Increased security and reliability of autonomous vehicles

Impact: privacy

Scientific Impact: New connection between coding theory and •Code Hamming distance translates to error correction/probabilistic

Overall Project Broader More than 30 top-tier publications on security/