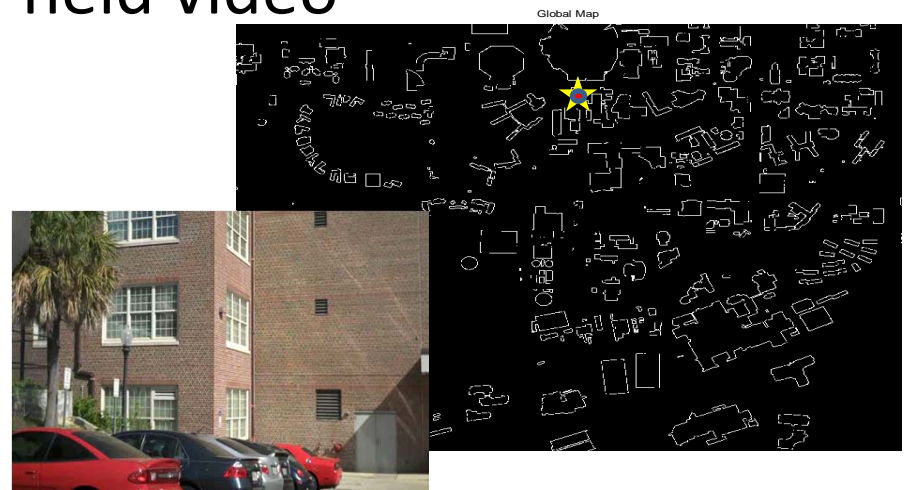


- University of Florida
- Department of Mech. and Aero. Eng.
- PI: Warren Dixon



- Cameras provide partial state feedback of the position, orientation, and trajectory of relative motion viewed targets.
- The partial state information is part of inherently nonlinear image dynamics.
- Interested and focused on the application of nonlinear image-based estimation methods.

- Have developed and hardware implemented
 - image-based flight navigation and guidance,
 - image-based weight estimate of livestock
 - passive traffic speed monitoring,
 - geolocation from hand-held video
- 200+ publications
- 5 patents pending
- Active DOD clearance



Funding by DOE, NGA, AFRL, AFOSR, industry



- Seeking collaborative partners with advanced image segmentation/image recognition expertise – specifically image classification methods.
- Seeking collaborators that can develop end-product deliverable software for DOD use.
- Industry, national laboratory, or university partnering.



Contact Information

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