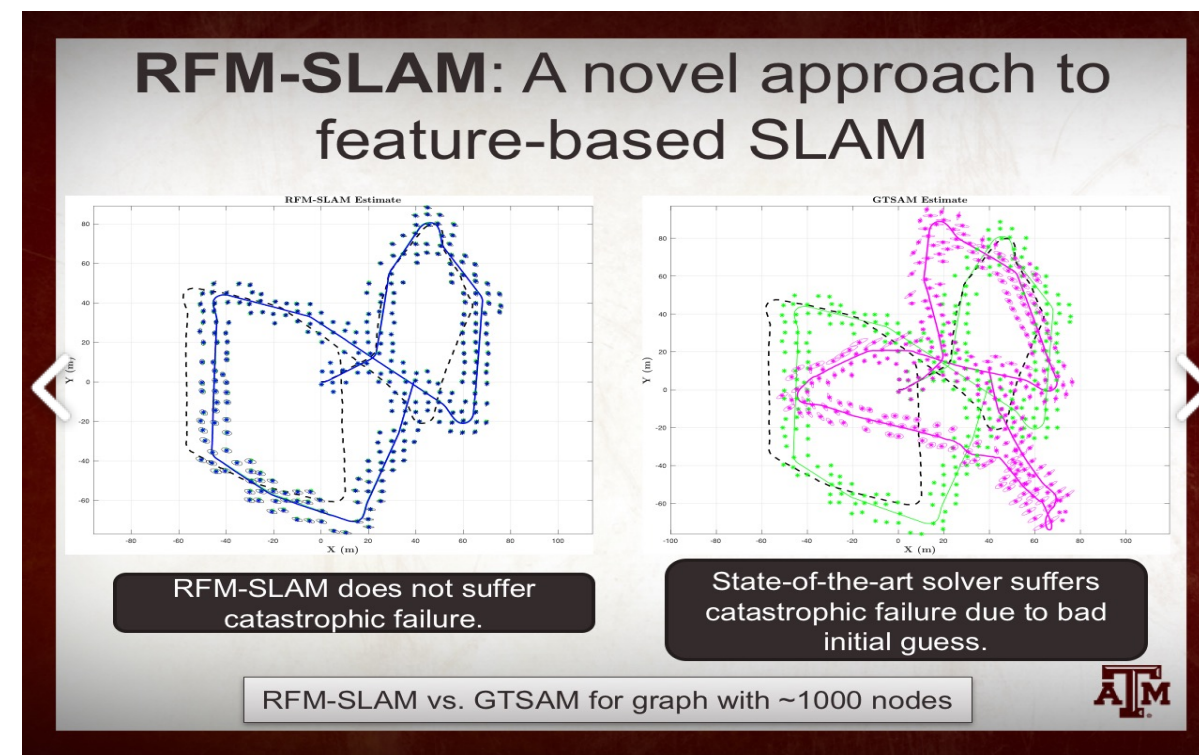


## Archives

[October 2020](#)  
[October 2019](#)  
[June 2019](#)  
[May 2019](#)  
[February 2019](#)  
[January 2018](#)  
[October 2017](#)  
[May 2017](#)  
[January 2017](#)  
[November 2016](#)  
[October 2016](#)  
[March 2016](#)  
[November 2015](#)  
[August 2015](#)  
[October 2014](#)  
[June 2014](#)  
[October 2013](#)

## About Us



Howdy! You have reached the Estimation, Decision and Planning Laboratory. We are part of the *Dynamics, Navigation and Control* Research Group in the Department of Aerospace Engineering at Texas A&M University. Our group's [research](#) focuses on *Nonlinearity*, *Dimensionality* and *Uncertainty* in estimation and control problems, with applications to Mobile Robotics, Morphing Aircraft and Distributed Parameter Systems. If you're interested in joining us, please have a look [here](#).

Some of our recent work includes:

## Latest Posts

[Lab member Kartik successfully defends his Master's thesis!](#)

[Lab member Karthikeya successfully defends his Master's thesis!](#)

[Paper on T-PFC is accepted to RA-L and IROS-2019!](#)

[Karthikeya presents work on SLAM at ICRA '19!](#)


[Lab member Dilshad Raihan successfully defends his Ph.D.!](#)

[Lab member Saurav Agarwal successfully defends his Ph.D.!](#)


- 1. **Motion Planning Under Uncertainty (Belief Space Planning)**
- 2. **Simultaneous Localization and Mapping (SLAM) for Long-Term Autonomy**
- 3. **Model Order Reduction Techniques for Fluid Dynamics**
- 4. **Sensor Tasking**

Here’s some videos of our recent experimental work.

Mobile Robot Motion Planning for Non-Gaussian Belief Spaces



Planning with FIRM on iRobot creates in a changing environment



Lab member [Mohammadhussein Rafieisakhaei](#) successfully defends Ph.D.!

EDP Lab Wins National Innovation Award @ TCW 2017

Paper on RFM-SLAM is Accepted to ICRA 2017

Can a robot drive 100s of Kilometers with < 1 m Error?

