

Introduction to Robotics CSCI/ARTI 4530/6530

Dr. Ramviyas Nattanmai Parasuraman,
Asst. Professor, Computer Science, UGA

09/11/2018



Department of Computer Science

Franklin College of Arts and Sciences

UNIVERSITY OF GEORGIA

Agenda

- A quick recap
- For today – Image features

A quick recap

ROS Services:

Server – Service provider

Client – Service requester

One-time communication

The service client node requests for action to be performed by the service provider

Note, it can be a blocking call!

A quick recap

ROS Parameters:

Share variables and parameters across the ROS system and nodes

For today

Computer Vision and Image Processing:

- Example of a simple average smoothing using a correlation filter.
- Point Features – Corners, SIFT, BRIEF, etc.
- Place recognition