

CS393R

Autonomous Robots

Prof: Peter Stone

Department of Computer Science
The University of Texas at Austin

Good Morning, Colleagues



Good Morning, Colleagues

Are there any questions?

Logistics

- Class registration

Logistics

- Class registration
- Questions about the syllabus?

Logistics

- Class registration
- Questions about the syllabus?
- Piazza — make sure you're on it

Logistics

- Class registration
- Questions about the syllabus?
- Piazza — make sure you're on it
 - CC Josiah (jphanna@cs), and me on everything

Logistics

- Class registration
- Questions about the syllabus?
- Piazza — make sure you're on it
 - CC Josiah (jphanna@cs), and me on everything
- Reading responses:
 - Generally good

Logistics

- Class registration
- Questions about the syllabus?
- Piazza — make sure you're on it
 - CC Josiah (jphanna@cs), and me on everything
- Reading responses:
 - Generally good
 - Won't be able to respond every time

Logistics

- Class registration
- Questions about the syllabus?
- Piazza — make sure you're on it
 - CC Josiah (jphanna@cs), and me on everything
- Reading responses:
 - Generally good
 - Won't be able to respond every time
 - Ask questions (put at top), give opinions

Logistics

- Class registration
- Questions about the syllabus?
- Piazza — make sure you're on it
 - CC Josiah (jphanna@cs), and me on everything
- Reading responses:
 - Generally good
 - Won't be able to respond every time
 - Ask questions (put at top), give opinions
 - I may suggest project topics

Logistics

- Class registration
- Questions about the syllabus?
- Piazza — make sure you're on it
 - CC Josiah (jphanna@cs), and me on everything
- Reading responses:
 - Generally good
 - Won't be able to respond every time
 - Ask questions (put at top), give opinions
 - I may suggest project topics
- Problems with the assignment?

Logistics

- Class registration
- Questions about the syllabus?
- Piazza — make sure you're on it
 - CC Josiah (jphanna@cs), and me on everything
- Reading responses:
 - Generally good
 - Won't be able to respond every time
 - Ask questions (put at top), give opinions
 - I may suggest project topics
- Problems with the assignment?
 - Team sizes

Logistics

- Class registration
- Questions about the syllabus?
- Piazza — make sure you're on it
 - CC Josiah (jphanna@cs), and me on everything
- Reading responses:
 - Generally good
 - Won't be able to respond every time
 - Ask questions (put at top), give opinions
 - I may suggest project topics
- Problems with the assignment?
 - Team sizes
- Next readings posted

Vision

- Physical devices
- RoboCup requirements (videos)

Vision

- Physical devices
- RoboCup requirements (videos)
 - Always changing

Vision

- Physical devices
- RoboCup requirements (videos)
 - Always changing
- Color spaces

Vision

- Physical devices
- RoboCup requirements (videos)
 - Always changing
- Color spaces
- High-level process

Vision

- Physical devices
- RoboCup requirements (videos)
 - Always changing
- Color spaces
- High-level process
 - Run length encoding
 - Blob formation
 - Object detection
 - Line detection

Vision

- Physical devices
- RoboCup requirements (videos)
 - Always changing
- Color spaces
- High-level process
 - Run length encoding
 - Blob formation
 - Object detection
 - Line detection
- Feeds into localization and behavior

Vision

- Physical devices
- RoboCup requirements (videos)
 - Always changing
- Color spaces
- High-level process
 - Run length encoding
 - Blob formation
 - Object detection
 - Line detection
- Feeds into localization and behavior
- Specialized to RoboCup
 - Not a vision course

Vision

- Physical devices
- RoboCup requirements (videos)
 - Always changing
- Color spaces
- High-level process
 - Run length encoding
 - Blob formation
 - Object detection
 - Line detection
- Feeds into localization and behavior
- Specialized to RoboCup
 - Not a vision course
 - Many extensions on resources page

Next week: Control

- A technical tutorial
- A more high-level, slightly philosophical paper
- Responses Monday