CS 378: Autonomous Intelligent Robotics FRI-II

Instructor: Jivko Sinapov

http://www.cs.utexas.edu/~jsinapov/teaching/cs378_fall2016/

Robot Tutorials…a.k.a. getting to know our new (and old) friends

Announcements

Room Location Change

We are now permanently in the conference room

FAI Talk this Friday

"Developing Machine Intelligence to Improve Bionic Limb Control"

Kory Mathewson

University of Alberta

Friday, Sept. 2nd, 11 am @ GDC 6.302

[https://www.cs.utexas.edu/~ai-lab/fai/] or google "fai ut cs"

Robotics Seminar Series Talk

"Learning from and about humans using an autonomous multi-robot mobile platform"

Jivko Sinapov

UT Austin

Wed., Sept. 7th, 3 pm @ GDC 5.302

Reading Assignments

Knox *et al.*, "Training a Robot via Human Feedback: A Case Study". In International Conference on Social Robotics, October 2013.

Todd Hester and Peter Stone. "TEXPLORE: Real-Time Sample-Efficient Reinforcement Learning for Robots". Machine Learning, 90(3), 2013.

Kober, Jens, J. Andrew Bagnell, and Jan Peters. "Reinforcement learning in robotics: A survey." The International Journal of Robotics Research (2013)

http://www.cs.utexas.edu/~jsinapov/teaching/cs378_fall2016/readings/week1/

Final Project Components

- "Preliminary" proposal presentation
- Project Proposal Presentation and Writeup
- Progress Report 1
- Progress Report 2
- Final Project Report
- Final Project Presentation

This Thursday...

Guest presentations on some ongoing research projects

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