CENG 4391_5437   Mobile Robots

Interesting Interviews Spring

Dr. T. L. Harman: 281 283-3774   Office D104

Here is a selection of four talks and interviews by leaders in the field of robotics. Look at the number of views for some of the videos!!   You do not have to turn in anything for these interviews.

Anything these folks have to say is worth Hearing.

1_ Self-Driving Cars: State of the Art (2019) Lex Fridman

224,689 views •Feb 1, 2019 **54:33**

https://www.youtube.com/watch?v=sRxaMDDMWQQ&list=PL_rAXtmFrZgOeY0lkVCIVafdGFOTi45amq

A good survey of SDC technology.

Introductory lecture of the MIT Self-Driving Cars series (6.S094) with an overview of the autonomous vehicle industry in 2018 and looking forward to 2019, including Waymo, Tesla, Cruise, Ford, GM, and out-of-the-box ideas of boring tunnels, flying cars, connected vehicles, and more. This covers the state of the art in terms of industry developments and not the perception and planning algorithm development. The latter will be covered in detail in future lectures. For more lecture videos on deep learning, reinforcement learning (RL), artificial intelligence (AI & AGI), and podcast conversations, visit our website or follow TensorFlow code tutorials on our GitHub repo.

2_ Self-Driving Cars: An Introduction (Cyrill Stachniss, 2020)

4,816 views   •Oct 16, 2020 1:22:22

https://www.youtube.com/watch?v=EBFlmHqgezM

Introduction lecture for the course "Techniques for Self-Driving Cars" taught at the University of Bonn in fall 2020. A course by Cyrill Stachniss, Jens Behley, Nived Chebrolu, Benedikt Mersch, Igor Bogoslavskyi.

3.Sebastian Thrun: Flying Cars, Autonomous Vehicles, and Education | Lex Fridman Podcast

58,778 views •Dec 21, 2019 1:18:34

https://www.youtube.com/watch?v=ZPPAOakITeQ

This is a great interview. Specifically:
3:30 Are we in the Matrix?
9:41 Problems to Solve
14:34 How to finish a product on time
16:30 160 Pages of Testing for his winning car
17:50 Leadership – worth a listen!

Sebastian Thrun

Sebastian Thrun at the World Economic Forum Annual Meeting in 2013

Born May 14, 1967 (age 53)
Solingen, West Germany

4_Rodney Brooks "The Future of Innovation in Artificial Intelligence and Robotics"

https://www.bell-labs.com/institute/media/shannon-luminary-lectures-media/rodney-brooks-future-innovation-artificial-intelligence-and-robotics/#gref