

Challenges of Autonomous Driving

Notes from Stanford seminar class (unstructured, unedited)
“The Future of the Automobile”

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Web opinion poll, discussed at beginning of class

“Will you drive this type of robotic car in your lifetime?”:

<http://techbriefsinsider.com/Surveys/IQ/insider.php>

Of related interest, not discussed in class

“Reporters’ Roundtable: Self-driving cars (podcast)”:

http://www.cnet.com/8301-30976_1-20020517-10348864.html

Major challenges of autonomous driving in becoming reality:

- Technology: AI, decision making...
- Human Factors: Trust, co-existence of human driven (“allonomous”) and autonomous vehicles...
- Legal: Liability...
- Economics: Affordability...

Implementation Scenario for “Fully” Autonomous Driving:

All aspects interwoven with one another – evolution unclear, “chicken-egg” problem (for purpose of class discussion only, no final conclusion, discussion not concluded)

