Introduction to Intelligent Vehicles [14. Summary]

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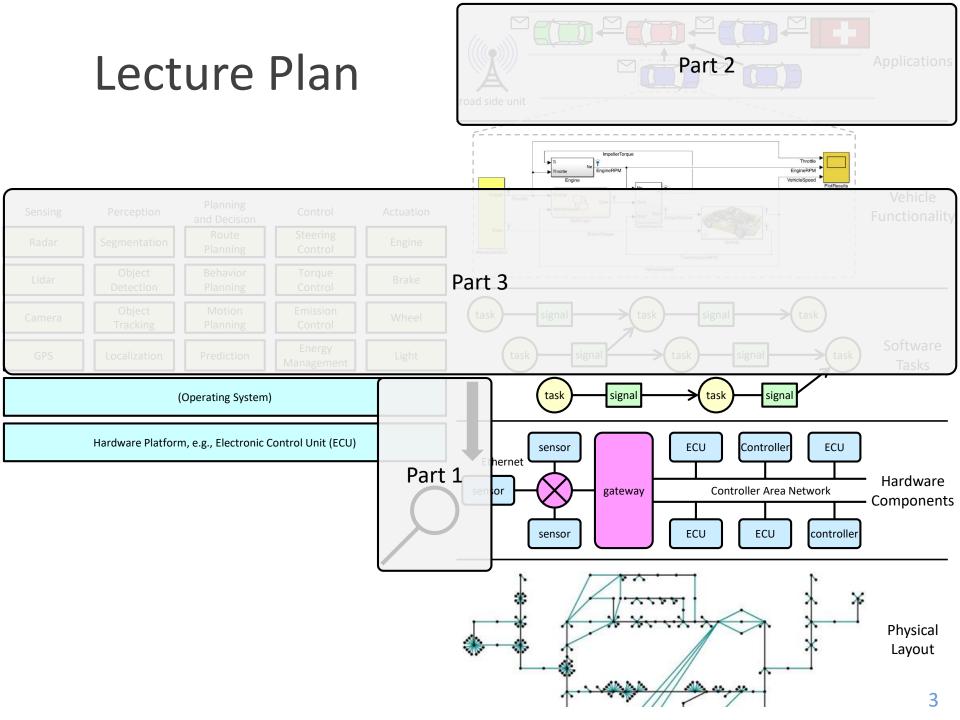
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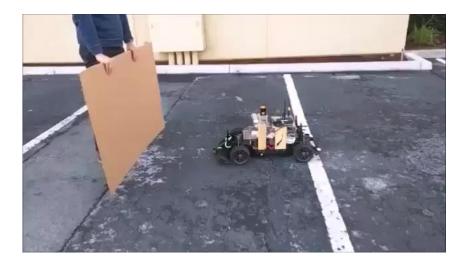
Calendar

W1	Feb 20	[0] Course Introduction [1] System Architecture	
W2	Feb 27	[2] Timing Analysis I	HW1 Posted
W3	Mar 5	[3] Timing Analysis II	
W4	Mar 12	[4] System Design	
W5	Mar 19	[5] Advanced Driver-Assistance Systems [6] Intersection Management	HW1 Due HW2 Posted
W6	Mar 26	[6] Intersection Management	
W7	Apr 2	[7] Connectivity / Appendix	HW2 Due
W8	Apr 9	Midterm	
W9	Apr 16	Midterm Discussion [8] Sensing and Perception / Appendix	
W10	Apr 23	[9] Planning and Control / Appendix	
W11	Apr 30	[10] Verification / [11] Security	
W12	May 7	[11] Security / [12] Edge Computing [13] Certification / [14] Summary	
W13	May 14	Quiz / Project Presentation	
W14 / W15	May 21 / 28	Project Presentation	
W16	Jun 4	Project Presentation	Project Report Due



Discussion

- ☐ When will autonomous driving become reality?
 - > Technology
 - > Cost
 - > Law and regulation
 - > Human comfort
 - > Philosophy



Summary

- ☐ Timing
 - > Timing analysis
 - Scheduling (complete things in time and control timing)
- Optimization
 - Objectives and constraints
 - > Existing methodologies and tools
- Applications and intelligent technology
 - Motivations and reasoning
 - Different philosophies?
 - So many sub-systems (in the world)
 - Software will become more and more important
 - > Integration (of sub-systems, teams, and people)
 - Do things in an organized and systematic way!

Thanks!

Remember Project Presentation and Report