

Platooning Team

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Part I: Introduction

- Introducing ourselves
- Information about the course
- AutoFocus 3, usage and benefits

Part II: Problem Domain

- Platooning
- Our tasks and scenarios for implementing platooning
- Already implemented components

V2V

MD, ACC, LK in AF3

Part III: Solution

- Our implementation AD
Platoon Info-V2V Comm-Platoon Control in detail

Part IV: Conclusion

- Results
- Major problems while developing the model
- Issues while deploying the model to the real environment

Demonstration Scenario

1. Manually driving 1st car to the lanes and LK is ON with manual acceleration
2. Manually driving 2nd car to the lanes
3. Both cars activate platoon
4. 2nd car wants to fuse
5. They form a new platoon with 2 cars
6. Manually driving 3rd car to the lanes
7. 3rd car joins the platoon
8. Leader (1st) car leaves, driving manually to out of the lanes
9. 2nd becomes new leader, new platoon with 2 cars