

## Assignments for Meeting on Mar. 16, 2021 (1/2)

- ▶ Read the survey paper: Lefèvre, S., Vasquez, D., & Laugier, C., "A survey on motion prediction and risk assessment for intelligent vehicles", ROBOMECH journal, 1(1), 1-14, 2014. <https://doi.org/10.1186/s40648-014-0001-z>
- ▶ Read the survey paper: Mozaffari, S., Al-Jarrah, O. Y., Dianati, M., Jennings, P., & Mouzakitis, A., "Deep learning-based vehicle behavior prediction for autonomous driving applications: A review", IEEE Transactions on Intelligent Transportation Systems, 2020.  
<https://doi.org/10.1109/TITS.2020.3012034>

## Assignments for Meeting on Mar. 16, 2021 (2/2)

- ▶ Do the extra assignment in Hand-in Exercise 5 in TSFS12 (Appendix A). In particular, using the pre-processed I-80 highway data from the NGSIM database<sup>1</sup> as a basis, investigate different configurations of the neural network as well as other approaches to learning, e.g., using available implementations in the package `scikit-learn`. The pre-processed data will be distributed to registered course participants via e-mail.
- ▶ **Next meeting: Tuesday March 16, 2021, at 15:15 in Zoom.**
- ▶ Lecture responsibility: Carl Hynén.
- ▶ Please find an updated schedule for the remaining meetings on the course homepage.

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<sup>1</sup>I-80 data set citation: U.S. Department of Transportation Federal Highway Administration. (2016). Next Generation Simulation (NGSIM) Vehicle Trajectories and Supporting Data. [Dataset]. Provided by ITS DataHub through [Data.transportation.gov](http://Data.transportation.gov). Accessed 2020-09-29 from <http://doi.org/10.21949/1504477>.