Road wear map-based trajectory planning

**Motivation:**
In ESRIUM project conducted at Virtual Vehicle Research, one key innovation is a digital map of road surface damage and road wear. This provides additional information for trajectory planning.

**Goals:**
The Thesis shall focus on
- Survey about different approaches
- Implement a trajectory planner in python taking account of road damage and dynamic traffic.
- Validation in simulation framework.

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**Start:** now

**Target group:** Students with interest in automated driving, and knowledge in optimization and trajectory planning, good python skills