R & D -
Funda-
mental
Problem

Bastian
Lang

R & D - Fundamental Problem

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Master of Autonomous Systems

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Real world optimization of energy efficient vehicle control

- Transfer controller to real device
- Evaluate controller on real device
- Cross reality gap (if controller does not transform well)
- Compare results with other energy efficient tasks
- Create (more elaborate) model
- Use multi objective approach

Most fundamental problems

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Cross reality gap

- Literature is proof of concept, but approach has to be specified for the used device
- Approach needs a good model
- Requires heavy adjusting of the used EA
- Has never been applied to a similar device