Learning Situational Driving

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Eshed Ohn-Bar  Aditya Prakash  Aseem Behl  Kashyap Chitta  Andreas Geiger
Driving in Diverse Scenarios

Rain, heavy traffic
How to learn to drive under the vast diversity of visual, planning, and control scenarios?
Proposed **Learning Situational Driving (LSD)** Framework

**Key Idea**

Learn *specialized experts* and combine in a **context-dependent**, **task-optimized** manner for generalization in diverse scenarios.
State-of-the-Art on CARLA

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Legend

CIRL : Liang et. al., ECCV 2018
CILRS : Codevilla et. al., ICCV 2019
CILRS* : Our reproduction
LSD : Ours – mixture of experts model
LSD+ : Ours – with policy refinement step (see paper)

Results Video
https://youtu.be/XkZyEqO1l5o