

Workshop on Benchmarking Road Terrain and Lane

Detection Algorithms for In-Vehicle Application

14:00-17:00, June 8, 2014, Sterns & Night, Adoba Hotel

SuWS_PM12 Plenary Session

Chair: Guo, Chunzhao

Toyota Central R&D Labs., Inc.

Co-Chair: Geiger, Andreas

Max Planck Institute for Intelligent Systems

14:00-14:30 Keynote

Introduction of KITTI-ROAD for Benchmarking Road Detection Algorithms

Fritsch, Jannik

Honda Research Institute Europe

14:30-15:00 Open Discussion

Towards co-evolution of road / lane detection and benchmarking

15:00-15:30 Coffee Break

SuWS_PM22 Regular Session

Chair: Fritsch, Jannik

Honda Research Institute Europe

Co-Chair: Álvarez, José M.

NICTA

15:30-15:45 Paper SuWS_PM22.1

Comprehensive Performance Analysis of Road Detection Algorithms Using the Common Urban Kitti-Road Benchmark

Bernardes Vitor, Giovanni

Univ. de Tech. de Compiègne (UTC)

Correa Victorino, Alessandro

Univ. de Tech. de Compiègne (UTC)

Vaqueiro Ferreira, Janito

State Univ. of Campinas - UNICAMP

15:45-16:00 Paper SuWS_PM22.2

Performance Evaluation for Curb Detection Problem

[Stainvas, Inna](#)

Advanced Res. Tech. Center, GM

[Buda, Yosi](#)

Advanced Res. Tech. Center, GM

16:00-16:15 Paper SuWS_PM22.3

Color-Based Road Detection and Its Evaluation on the KITTI Road Benchmark

[Wang, Bihao](#)

Univ. de Tech. de Compiègne

[Fremont, Vincent](#)

Univ. de Tech. de Compiègne

[Rodriguez Florez, Sergio Alberto](#)

Université Paris Sud.

16:15-16:30 Paper TuPoster Session IIB1.4

Road Terrain Detection: Avoiding Common Obstacle Detection Assumptions Using Sensor Fusion

[Shinzato, Patrick](#)

Univ. of Sao Paulo

[Wolf, Denis](#)

Univ. of Sao Paulo

[Stiller, Christoph](#)

Karlsruhe Inst. of Tech.

16:30-16:45 Paper WePoster Session IIIB1.22

A Multi-Modal System for Road Detection and Segmentation

[Hu, Xiao](#)

Univ. de Tech. de Compiègne

[Rodriguez Florez, Sergio Alberto](#)

Univ. Paris Sud.

[Gepperth, Alexander](#)

Ec. National Supérieure de Tech. Avancées

16:45-17:00 Paper MoPoster Session IB1.1

Camera-Based Lane Border Detection in Arbitrarily Structured Environments

[Schomerus, Volker Patricio](#)

Tech. Univ. Braunschweig

[Rosebrock, Dennis](#)

Tech. Univ. Braunschweig

[Wahl, Friedrich M.](#)

Tech. Univ. Braunschweig