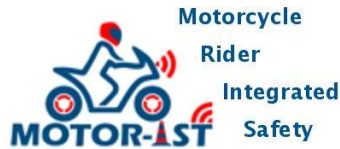


July 4, 2017
 Technical University of
 Delft, Netherlands
 3mE Building, Mekelweg 2
 2628 CD Delft
 +31 15 278 6400



PRESENTS

PUBLIC WRAP-UP WORKSHOP

Research & innovation in PTW safety



Meet our RESEARCHERS
 and participate in
 interactive DEMOS of
 motorcycle simulators
 and field EXPERIMENTS

www.motorist-ptw.eu



The MOTORcycle Rider Integrated Safety project is an Initial Training Network (ITN) Grant Nr. 608092, funded under the FP7 Marie Curie programme of the European Commission and running from February 2014 to January 2018. Its consortium includes 6 research institutes and 2 industry partners in 6 European countries, engaging 14 Early Stage and 2 Experienced Research Fellows in three interrelated Work Packages:

WP1 Rider Training

WP2 Integrated Safety

WP3 Personal Protective Equipment

PROGRAM

- 9:45 Welcome coffee at TU Delft
- 10:00 Intro to MOTORIST & overview of Work Package activities
- 10:20 Screening of MOTORIST project video
- 10:35 Interactive demos & coffee
- 12:00 Sandwich lunch (provided)
- 14:30 Open discussion period
- 16:30 Wrap-up & closure

INFO & REGISTRATION



TUD contact: George Dialynas
 Mob: +31 63 844 9868



Emergency Braking on a PTW

WP1
 Pedro Huertas-Leyva
 WP2
 Marilee Nugent



Observe or participate in our experimental protocol for investigating and assessing rider response to a real world hazard scenario. Presentation of sample results.



Volunteers needed! Must have valid moto licence. marileemargaret.nugent@unifi.it

Motorcycles that see - A smart stereo camera system for collision avoidance

Interactive demo & mock experiments. Enactment of test slalom maneuvers followed by presentation of 3D reconstructions of the scene collected by the imaging system in the PTW.

WP2
 Gustavo Gil



Can technology be used to better understand human control of a bicycle?

Interactive demo
 • Steer by wire controller
 • Static bike with sensors to measure rider inputs & responses
 • Bike simulator



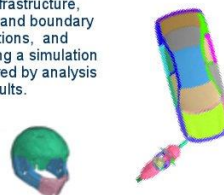
WP2
 George Dialynas
 Oliver Lee



Building a virtual accident model for injury risk assessment

Demo of the modelling process including coupling personal protective equipment, setting the infrastructure, initial and boundary conditions, and running a simulation followed by analysis of results.

WP3
 Tomasz Bońkowski
 Lukáš Šoltés
 Luděk Hynčík



The MOTORIST simulator: design and realization of a modular motorcycle simulator

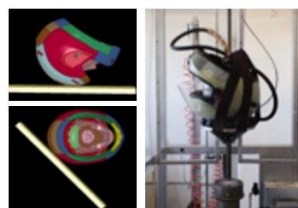
Interactive demonstration of the simulator setup, design, and vehicle control model. A video will demonstrate the simulator's capabilities.

WP2
 Marco Grotoli
 Francesco Celiberti



Proposal of a new motorcycle helmet testing method

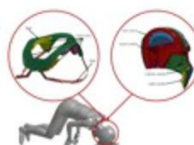
Presentation.
 Sounak Mojumder



Evaluation and optimization of Personal Protective Equipment

Presentation of the step-by-step process of material testing: finite elements modelling, validation and results from running the simulations.

WP3
 Siamak Khosroshahi



Experimental techniques in standards for Personal Protective Equipment

Movies and live demos of different experimental protocols for evaluating the effectiveness of PPEs.

WP3
 Mohamad Nasim

