



This project is co-financed by the European Union  
and the Republic of Türkiye



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PRESENTER FULL NAME: Assoc Prof Rosen Dimov

ORGANIZATION: emotion3D, University of Pannonia

WORKSHOP NAME: Workshop#4-Smart Mobility

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## Description of the Organisation

Founded in 2013 as a university spin off and grew to over 40 people full time.

Cooperating with OEMs, Tier-1 and Tier-2 suppliers to the automotive industry.

Developers proprietary AI technology for smart, safe mobility using in-cabin monitoring of humans and other objects in any vehicle.

Your Teams'  
Expertise



Smart mobility



Computer vision

## Your Research Fields

V2V, V2X communication to prevent accidents and conjunction



Triggering seamlessly ADAS systems of vehicles



Recognition of vital signs, distractions, dangerous emotions displayed in driver behaviour and facial look



Making a digital twin of a human (driver or copilot) that is based on real and synthetic data generated and analysed on the spot, not leaving the vehicle

## Your On-going Projects

We cooperate with leading RTOs, industrial players, technological companies and civil society organisations in a number of Horizon Europe and FFG projects where E3D coordinates the consortium or leads a WP:  
Uniscope3D, Roadguard, MOSAIC, A-IQ Ready, Empathic Vehicle, ACCOMPLISH

More details: <https://emotion3d.ai/innovation/>

## Project Idea

**Call Topic: HORIZON-CL5-2025-D6-12: Safe HTI in vehicle systems of the coming decade**

**Deadline Dates: TBC but most likely Q3 of 2025**

- ☐ **Objectives: achieving safe and inclusive mobility**
- ☐ **Expected Results: pilots in 5 locations**

## Consortium - profile of known partners (if any)

No	Partner Name	Type	Country	Role in the Project
01	emotion3D	SME	AU	Coordinator
02	Virtual Vehicle	RTO	AU	WP leader, safe HTI
03	POLITO	UNI	IT	WP leader, inclusive HTI
04	BMW	LE	GE	WP leader, pilots
05	TBC			



PRESENTER CONTACT

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