

Korea-EU Horizon Europe Researchers Networking Forum on Energy & Advanced Mobility

• **Fernando Garcia Fernandez**

• **Professor**

• **Universidad Carlos III de Madrid**

• **Cooperative Connected
and Autonomous Mobility**



1. Autonomous Mobility and Perception Lab

A laboratory focus in the development of CCAM technologies



Head: Prof. Fernando Garcia

- Prof. of The Systems Engineering and Automation at UC3M
- Member of the BoG of the IEEE-Intelligent Transportation Systems Society
- Director of UC3M Mobility Master
- EU digitalisation Expert



Relevant publication activity

- More than 100 papers in the last 5 years
- 9 patents
- Relevant project portfolio (public and private)



Strong link with industry

- Partnership with European OEMs and Tier 1
- Relevant international activity
- National referents



2. Expertise

Perception technologies applied to CCAM

Road digitalization

Autonomous Driving

IA applied to Mobility, perception, data fusion



3. Working in the use of IA to enhance CCAM

Currently creating the consortium

- HORIZON-CL5-2026-10-D6-03: Generative AI for smarter CCAM: enhancing perception, decision-making, and validation
- HORIZON-CL5-2026-10-D6-10: Enhanced resilience in multimodal passenger transport through digital technologies and generative and discriminative AI

Development of digital technologies applied to mobility through the use of Generative AI.

Application of enhance perception and digital twin technologies to test and validate automotive software and assist in the modern SDV architectures.



4. Profile You are Seeking and Why

HORIZON-CL5-2026-10-D6-03 / 10

We currently are working with strong partners in EU, looking mainly (but no only) for industrial partners.

IF YOU PRESENT YOUR ORGANIZATION / RESEARCH TEAM ONLY

We can lead the proposal or be WP leaders.



5. Contact Details

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