

# ELECTRICAL, ELECTRONICS AND COMMUNICATIONS ENGINEERING

## EURECOM - Connected and Cooperative Automated Mobility through AI-driven Radio Access Networks

<b>Funded By</b>	EURECOM - ECOLE D'INGENIEURS & CENTRE DE RECHERCHE EN SYSTEMES DE COMMUNICATIONS [P.iva/CF:65383181575]
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<b>Context of the research activity</b>	Services for connected autonomous vehicles.
<b>Objectives</b>	The activity will focus on agentic AI for vRAN architectures supporting connected and cooperative automated mobility leveraging C-V2X communication. The research will aim at understanding how distributed AI agents can perceive context, reason on network and service conditions, and autonomously coordinate cooperative actions such as perception sharing, maneuver negotiation, and selective task exchange among vehicles and infrastructure. In order to improve responsiveness, scalability, and reliability in highly dynamic CCAM scenarios, the research activity will address intelligent RAN functions that dynamically orchestrate communication and computation resources, ensuring that only the most relevant information is exchanged.
<b>Skills and competencies for the development of the activity</b>	<ul style="list-style-type: none"><li>- Mobile Networks</li><li>- Vehicular communications</li><li>- Autonomous driving</li></ul>