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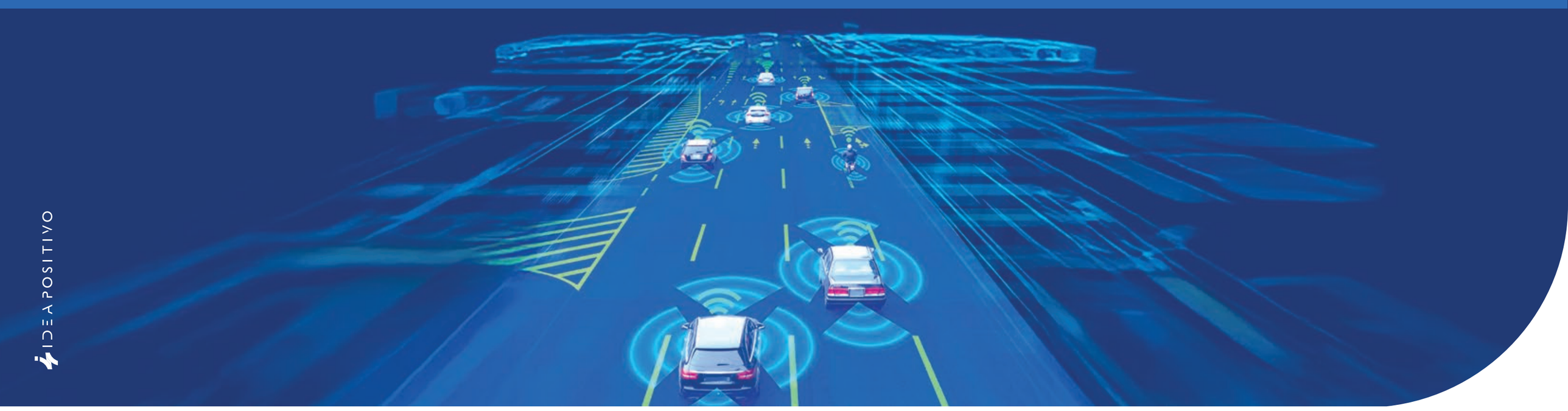
IDEA POSITIVO



Workshop on Networking Solutions for Cooperative, Connected, and Automated Mobility

Program

Introductory session

Claudia Campolo, Associate Professor, DIIES, University Mediterranea of Reggio Calabria

My Car Will Cooperate… and I'll Be Home Earlier

Alessandro Bazzi, Associate Professor, University of Bologna

V2X and autonomous mobility: research in practice

Susana Sargento, Full Professor, University of Aveiro, Portugal

Coffee break

Are the telco operators ready for CCAM?

Fabrizio Brasca, Core Service & Evolution, WindTre

Network Exposure and AI-Native Intent-Driven Management for 5G/6G CCAM Services

Giada Landi, R&D Technology Leader, Nextworks

5G-assisted tele-operated driving

Demonstrations by the MOST-Spoke 6 DIIES researchers

Conclusions

31 March 2026

9:30-13:00

Aula Pietropaolo
Ex-facoltà di Ingegneria

The workshop is organized within the dissemination activities of the MOST Spoke 6 project with the purpose of sharing the main results and achievements of the DIIES research team and identifying possible future research opportunities by interacting with representatives of other national and EU projects and initiatives.

The workshop is open to interested students, PhD students, teaching and research staff.

Università degli Studi di Reggio Calabria Mediterranea

DIIES Dipartimento di Eccellenza 2023-2027

Spoke 6 CAV
Connected and Autonomous Vehicles

MOST
Centro Nazionale per la Mobilità Sostenibile

About the speakers

Alessandro Bazzi's research focuses on wireless communications for connected and autonomous vehicles (CAVs), carried out in collaboration with major industrial players such as Huawei, C2C-CC, and NXP. He is also actively contributing to ETSI as a member of a Specialist Task Force working on Release 2 standards for Cooperative - Intelligent Transport Systems (C-ITS). He is the PI of the PNRR RESTART focused project MoVeOver.

Talk - My Car Will Cooperate… and I'll Be Home Earlier

The level of vehicle automation on our roads is steadly increasing, and the integration of connectivity has the potential to revolutionize road transportation. Cooperative, Connected, and Automated Mobility (CCAM) holds the promise of achieving Vision Zero, with no more deaths on the road, while significantly reducing congestion and pollution in urban environments. This talk will focus on the vehicle-to-everything (V2X) component of CCAM, with particular emphasis on direct communications. It will provide an overview of what V2X means and of its current deployment status, as well as a glimpse into the future of mobility.

Susana Sargento has been leading and involved in several European projects, CMU and MIT-Portugal projects, and in several Resilience and Recovery agendas on Autonomous Mobility, Space, Two-wheels vehicles, Tourism and different Testbeds. Her main research interests are in the areas of self-organized networks, Intelligent Transportation Systems, 5G and beyond networks and services, with 2 large-scale communication and sensing platforms, in Porto and Aveiro, with Aveiro TechCity Living Lab. Susana has co-founded a vehicular networking company in 2012, Veniam (www.veniam.com), she is the winner of the 2016 EU Prize for Women Innovators, the winner of Femina 2020 prize in Science, and one of the nominated of Prize ACTIVA Inspiring Women 2021.

Talk - V2X and autonomous mobility: research in practice

The talk will show how V2X and cooperative perception between vehicles, VRUs and infrastructure can improve the performance and functionalities of autonomous mobility. This talk will provide research examples and demonstrations in real world scenarios to show how autonomous mobility can improve traffic management and road safety.

Fabrizio Brasca graduated from the University of Milan in 2000 and has since then held various positions in the telecommunications sector. His work focuses on technology driven innovation and the development of advanced digital solutions. He currently leads nationally and internationally funded projects in the smart grid, automotive, smart city, and NTN domains, leveraging edge computing and artificial intelligence. He actively contributes to initiatives aimed at enabling next generation connected and intelligent systems.

Talk - Are the telco operators ready for CCAM?

The talk explores the readiness of telecom operators to support Cooperative, Connected and Automated Mobility (CCAM). It examines current network capabilities, deployment gaps, and the strategic role of 5G and emerging NTN technologies. Key challenges such as latency, reliability, and large scale edge integration are highlighted. The session outlines what operators must achieve to enable safe, efficient, and fully connected mobility ecosystems.

Giada Landi received the master degree in Telecommunication Engineering at the University of Pisa, in 2005. She is R&D technology leader in Nextworks, with 20 years of experience in Horizon and ESA ARTES research projects. Her main research interests focus on 5G/6G networks, NTN integration, edge/cloud computing, and AI-driven network intelligence and automation.

Talk - Network Exposure and AI-Native Intent-Driven Management for 5G/6G CCAM Services

Future CCAM services will rely on programmable 5G/6G networks to adapt connectivity and computing resources to application needs. This talk presents an approach with 3 use cases where network exposure and AI-native intent-driven management simplify deployment and operation of automotive services. Applications use standard APIs to request hybrid terrestrial–satellite connectivity and edge resources depending on vehicle location and runtime needs, intents simplify service provisioning, while Federated Learning preserves privacy in distributed training.