



AUTOMATED ROAD TRANSPORT TODAY AND VISION FOR NEXT ... YEARS

10-10-2017

AUTOCITS Project 3rd Open Workshop

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AUTOCITS Project 3rd Open Workshop

ITS PORTUGAL

**Associação para o Desenvolvimento da
Mobilidade e dos Transportes
Sustentáveis**

10-10-2017

Who are we?

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- ITS Portugal - Associação para o Desenvolvimento da Mobilidade e Transportes Sustentáveis - is a private law association without profit, political or religious objectives
 - ▣ Article 1º (Denomination) from By-laws

ITS Portugal Mission

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- ITS Portugal objet is to promote the development, application and diffusion of technologically advanced solutions for transports, aiming to improve the transport service quality, economy, efficiency and safety as support of sustainable people and goods mobility and of the access to geographically dispersed markets by air, sea, rail or road
 - ▣ Article 2° (Object), point 1 of By-laws

General Objectives

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- To promote a better knowledge and visibility about R&D activities and innovation related to the transport sector
- Stimulate cooperation between public and private entities, aiming to ease the adoption of intelligent transport systems and services
- Contribute to improve cooperation between R&D entities and transport enterprises
- Stimulate the knowledge sharing and new partnerships with ITS PT members
- Promote events and technological showrooms to disseminate intelligent transport systems and services
- Encourage and support our members to participate in European projects related to sustainable mobility and transport
- Contribute to a better dissemination of European ITS policies in Portugal
- Represent our members interests in different fora where ITS is discussed

Associated Members



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<http://its-portugal.com/index.php/associados>

- Transport Operators
 - CARRIS, Luís Simões, Metro do Porto, Rodoviária de Lisboa
- Infrastructures Operators
 - ANA Aeroportos, APL, ASCENDI, Auto-estradas do Atlântico, BRISA, Infraestruturas de Portugal, SCUTVIAS
- Companies supplying transport services and solutions
 - AMBISIG, ARMIS, BTEN, COMPTA, DMS, DYNASYS, EFACEC Engenharia e Sistemas, ENA Portugal, EYSSA-TESIS, GISMÉDIA, GMV, INDRA Portugal, KAPSCH, LINK Consulting, Logistema, Makewise, MARLO, Novabase, Q-Free Portugal, Siemens, SOLTRAFEGO, TECMIC, TIS, Via Verde Portugal
- Vehicle Manufacturers
 - TCP
- Entities from Scientific and Technological System
 - INESC TEC, INOV, ISEL
- Individual Persons
 - António Matos Viegas, Isabel Oliveira, Maria Carlota Henriques, Rui Camolino

Organisation



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<http://its-portugal.com/index.php/its/organizacao-e-orgaos-sociais>

□ General Assembly

- President: Companhia Carris de Ferro de Lisboa, S. A.
- Vice-President: RL – Rodoviária de Lisboa, S. A.
- Secretary: ASCENDI Norte, Auto-estradas do Norte, S. A.

□ Board

- President: Eng. Rui Camolino
- Vice-President: INESC TEC – Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
- Member: ANA – Aeroportos de Portugal, S.A.
- Member: BRISA Auto-estradas de Portugal, S. A.
- Member: EFACEC Engenharia e Sistemas, S. A.
- Member: Infraestruturas de Portugal, S. A.
- Member: Logistema - Consultores de Logística S.A.
- Member: Toyota Caetano Portugal, S. A.

□ Financial Committee

- President: BTEN Business Talent Enterprise Network, S. A.
- Member: Dynasys Engenharia e Telecomunicações, S. A.
- Member: VVP – Via Verde Portugal, S. A.

Thematic Committees



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- After an inquiry to Associated Members the following Tematic Committees have been established:
 - ▣ CT1 – Transport Infrastructures
 - ▣ CT2 – Vehicles
 - ▣ CT3 – Transport Safety and Security
 - ▣ CT4 – Logistics and Goods Transports
 - ▣ CT5 – Urban and Sustainable Mobility
 - ▣ CT6 – Transport R&D and Innovation

- All CT's have a leading Associated Member not belonging to the Board, in order to increase Members participation, and all CT's are open to all the members.

Partnerships

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<http://its-portugal.com/index.php/its/parcerias>



□ Network of ITS Nationals

- ITS Portugal is a member of the Network of ITS Nationals supported by ERTICO – ITS Europe, which promotes the cooperation among ITS National Associations

- (<http://www.itsnetwork.org/>)

- (<http://ertico.com/vision-and-mission/>)



□ i-Mobility Network

- ITS Portugal participates at i-Mobility Network, that integrates ITS National Associations, R&D entities, public authorities, users, service suppliers, among others



Automated Road Transport Today and Vision for next ... years

TODAY

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Un-manned vehicles Automatic vehicles Autonomous vehicles



TODAY

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□ FOSSIL FUELS



□ CONGESTION



□ SAFETY



TODAY

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NIO eve

Vision for an autonomous car of the future Powered by artificial intelligence



ACC (0-100 KM/H)	2,5sec
POWER	1224HP
TOP SPEED	355km/h
TORQUE	1600Nm

RIMAC CONCEPT_ONE

DISRUPTION

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- ❑ **SMART PHONES / CONNECTIVITY**
- ❑ **RENEWABLE ENERGY**
- ❑ **GLOBAL MARKETS**
- ❑ **ROBOTICS / AI / 3D PRINTING**
- ❑ **ELECTRIC CARS**
- ❑ **BEHAVIOUR CHANGES IN MOBILITY**
- ❑ **INSURANCE BUSINESS**
- ❑ **SMART CITIES**
- ❑ **AUTONOMOUS DRIVING**

- **NEEDS:**
 - ▣ **UE AND NATIONAL LEGISLATION**
 - ▣ **NORMALISATION**
 - ▣ **EXPERTISE**
 - ▣ **CYBER SECURITY**
- **STEP APPROACH**
- **INFRASTRUCTURE**
- **SPECIAL CONCERNS**

Thanks for your attention.

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