



ASECAP TECHNOLOGY WORKSHOP

Webinar
24th of May 2022

INNOVATION AND TECHNOLOGY (INCLUDING AI) FOR OPERATION, MAINTENANCE AND ASSET MANAGEMENT

One of the main missions of toll road operators is to make proper asset management which rely on proper tools for efficient and sustainable management of roads. Technology is an enabler to better monitor the maintenance to make appropriate action(s) required. The webinar will provide the opportunity to ASECAP members to share knowledge and experiences in this field.

Themes:

- Big data analytics and Machine learning for information management (also connected with AI apps)
- Cybersecurity, 5G and IOT for road infrastructures
- Production of renewable energy in road transport (e.g. solar test field, micro wind turbines, renewable energy test fields in ASECAP, synergies)
- Application of artificial intelligence for operation and maintenance services
- Innovation and technology for asset managements (including AI)
- The use of advanced tools and technologies to determine the safety of critical assets such as bridges, viaducts and tunnels, using
 - AI (artificial intelligence) to automatically detect and classify the damages and
 - AR (augmented reality) to support workers on the field and to increase the safety of work zones



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WELCOMING

10:00 10:05 **Antonio Nunes de Sousa**, ASECAP President – Welcoming message
Master of ceremony: Malika Seddi, ASECAP Secretary General

PANEL DISCUSSION

10:05 – 11:50 **Presentations and interactive Q&A**

Moderator: Jacqueline Erhart, ASECAP COPER III Chair

- **Paolo Guarnieri**, Head of Business Development, Movyon S.p.A., Italy – *ARGO, the extended platform for managing and monitoring the life cycle of infrastructures. The case of Autostrade per l'Italia.*
- **Jorge Alves Lopes**, Head of Business Technology, BRISA, Portugal
- **Kasper Nikolaus**, Data Scientist, ASFINAG, Austria - *Towards maintaining the digital twin using AI for video analysis*
- **Dimitris Mandalozis**, Chief Operations Officer, Aegean Motorway SA, Greece –*The Integrated approach for the safety of assets. The example of Aegean Motorway SA.*
- **Xavier Daura**, Head of Innovation, ABERTIS, Spain - *5G MED project, use cases for road infrastructures*

CLOSING SESSION

11:50 – 12:00 **Closing remarks**

- **Malika Seddi**, ASECAP Secretary General
- **Jacqueline Erhart**, ASECAP COPER III Chair