

**GLOBAL TOLLING SUMMIT
LISBON, PORTUGAL | OCTOBER 27-29, 2019**

CALL FOR PRESENTATIONS – SESSION DESCRIPTIONS

SESSION #1: The Portuguese Mobility Infrastructure Challenge

Portugal has earned international recognition for the high-quality standards of its motorway network as well as for its pioneering role in tolling and traffic management technologies and systems. Today the key challenge is how to achieve a transformation from infrastructure-based mobility to a more effective customer-oriented mobility. During this session, panelists will discuss the challenges and give the audience a clear understanding of the Portuguese motorway.

(INFORMATIONAL ONLY. NO SUBMISSIONS WILL BE ACCEPTED FOR THIS SESSION)

SESSION #2: Improvements & Reconstruction Around the World

Policy makers around the world address mobility needs and propose new solutions but often cannot maintain and upgrade their aging networks. They ask private entities to toll existing roads, to manage and maintain part of their network, or to build tolled infrastructures. But major reconstruction and improvement projects are also causing a financial strain on operating agencies. Some have had good maintenance programs and put away monetary reserves, others have not. We want to hear from transportation leaders about major social and economic trends occurring in their country or region as well how they approach maintenance, improvements and the double punch of decaying infrastructure and the need for additional capacity.

SESSION #3: Optimizing Facility Capacity; Reducing CO2 Emissions

Every road operator has ambitious goals for improving all aspects of mobility. Combine those goals with restricted possibilities for building new infrastructure and it makes for additional challenges in network operations. In developing or upgrading facilities, operators must put a high priority on considerations involved with climate change and the environment. Road operators must propose and explore innovative solutions to optimize facility capacity while reducing CO2 emissions. There are many operators worldwide that have been successful in taking steps towards impacting this important goal. We are looking for presentations that reflect these successes and accomplishments in Optimizing Facility Capacity and Reducing CO2 Emission.

SESSION #4: Managing Data in Tolling Environments

Data is the essential and core ingredient for doing business in the digital age and is one of any organizations most valuable assets. Tolling organizations are spearheading the leveraging of data, not only to ensure its security, but to include value-added services in the mobility ecosystem to their customers and road users. However, the intrinsic value of data is often not properly realized because organizations struggle to come to grips with the sheer volume and diversity of data that is greasing the wheels of their operations. This session is looking for presenters who will examine the impact (threats and opportunities) of data on tolling operations with a view to identifying how toll road agencies and operators can maintain governance, reliability, sustainability and operational efficiency in a dynamic connected digital environment. Furthermore, how data can be securely leveraged to better understand the habits of road users and add value to their commute. An international panel will share lessons learned and emerging best practices in mitigating threats and realizing opportunities in utilizing Data. Presenters should focus on topics such as:

- How Data ownership, access and security are essential governance, risk and compliance criteria for assuring business continuity in a rapidly transforming business environment;
- How Data science processes can assist organizations in understanding their data essentials;
- How data can be used to facilitate value-add applications in the Mobility as a Service (Maas) ecosystem; and;
- How Big Data and Predictive Analysis is essential to assuring revenue realization, sustainable operations and quality service provision.

SESSION #5: Safety Update: Incident Management, Weather Management from Around the World

Safety in an evolving road mobility environment is the major priority for every infrastructure manager. There are many new technologies and solutions that are under development that can help improve safety -- solutions such as drones for automatic incident detection and first response that can provide a real added-value to our daily business. Artificial Intelligence is a powerful tool to analyze huge amounts of available data, and innovative video analytics and advanced decision support system can analyze real-time and historical traffic data to predict and detect incidents and provide effective strategies for incident and traffic management. Moreover, weather resilience strategies for highway infrastructure are currently being adopted to address the impact of weather on the transportation system. This session is looking for presenters to provide an overview of effective solutions and case studies from around the world that have improved the ability to manage incidents and weather-related occurrences.

SESSION #6: Global Flagship Initiatives on Cooperative, Connected & Automated Mobility (CCAM)

In many respects, today's vehicles are already connected devices. Soon they will interact directly with each other and with the road infrastructure. This interaction is the domain of Cooperative Intelligent Transport Systems (C-ITS) which will allow road users, traffic managers, toll facility operators and new data collectors to share information and use it to coordinate their actions and to offer new services (from real-time personalized information services to new mobility concepts). This interaction is also critical for improving the safety of future automated vehicles and their full integration in the overall transport system. This session is looking for flagship CCAM initiatives from all over the world. The initiatives could be regional (e.g. European) CCAM strategies, large scale pilot implementations, Day 1 service roll-outs or roll-out concepts, standardization activities, business models etc. and should reflect how they might influence the tolling industry. Policy considerations, system architecture, communications standards and shifting operational responsibilities could all be addressed in the light of changes needed to support advancing technology.