



Managing Road Infrastructure Assets

Expert training by professionals, for professionals

Porto, Portugal
February 17-21, 2020



Workshop



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Crowne Plaza, Porto, Portugal
17-21 February 2020

Background

An effective road asset management system comprises the processes, tools, data and policies necessary for the management of all the physical assets for which public authorities have a responsibility with the objective of providing the required level of service in the most cost-effective manner. As a discipline aimed at facilitating decision-making, road asset management is a powerful tool for both national and local road agencies, providing a framework for managing their networks and prioritizing further investments using a long-term life-cycle approach.

This workshop will cover the principles, concepts, components, techniques and benefits of managing road infrastructure assets. The contents will be based on international practitioner handbooks as well as the hands-on experience of the course instructors. The workshop will teach the most relevant best practices as they relate to strategic asset management, tactical & technical asset management planning and operational asset management & service delivery.

Learning Objectives

- ✓ Better understand each of the aspects of Strategic, Tactical and Operational Asset Management and their related functions
- ✓ Recognize the need to further develop asset management capacity and capability for their organization, and have methods to do so
- ✓ Understand the importance of 'aligning' asset management practices and approach to achieve organizational objectives
- ✓ Identify and develop appropriate delivery models for asset management and maintenance services that ensure optimum return on investment and excellent service delivery performance
- ✓ Understand how emerging infrastructure concerns, such as weather resilience, impact asset management functions
- ✓ Build and monitor financial plans for asset maintenance and renewal

Format

How we'll work together during the course:

- Structured elements for each day, with established timeframes, within a productive learning environment
- Course consists of classroom learning, collaborative group activities, individual learning opportunities, as well as nominated presentation sessions
- Informal learning settings with all attendees encouraged to contribute
- Ample opportunity to share ideas, discuss challenges and create solutions and a better way forward together

Before the Course:

- Watch the introductory video:
 - Consider the experience of the Trainer and the proposed programme of training
 - Consider how your current role may be able to develop with the course content
 - What are some of the biggest risks and problems facing you and your organisation?
- Complete the Pre-Course Survey and submit to IRF Training Centre Manager: make sure you represent your current levels of experience and understanding of Road Asset Management practices and processes
- Prepare and bring along details of any current (or previous) road asset management challenges you or your organisation may be facing. We will discuss these specific challenges and risks if we can during some of our Workshop session

Venue & Registrations



Crowne Plaza Porto

Address: Av. da Boavista 1466, 4100-114

Porto, Portugal

Registrations at <https://www.irf.global/event/mia20-ws-porto/>

Rates: EUR 3,000 (Public) / EUR 2,500 (IRF Members) / EUR 950 (Portuguese delegates)

For any support, please contact melabyad@irf.global

Lead Instructor



Scott Bloxom
Principal & Founder
Essency Consulting Ltd

Scott is Chartered Professional Engineer with over 25 years experience in a wide range of asset management and engineering projects. Scott has worked extensively with both public and private sector clients in Australia, United Kingdom, Europe and the Middle East advising and implementing asset management principles and performance-based contract development, delivery and review.

He is the Principal and founder of Essency Consulting Limited, an asset management and contract services company delivering tailored services to clients in the infrastructure sectors.

He is a Chartered member of Engineers Australia, a member of the Institute of Asset Management (UK) and Asset Management Council of Australia, and a qualified assessor to the ISO55000 and PAS55:2008 Asset Management standards.

Guest Speakers



Terry Bills
Global Transportation Industry Director
ESRI

Terry Bills is responsible for all transportation segments worldwide at ESRI. He has over 25 years experience in transportation planning and policy, information technology and GIS. Mr. Bills has been a Principal Planner for a large regional transportation planning agency, as well as the President of a GIS and transportation consulting firm during his career. He was a Doctoral Candidate at UCLA, where he was also awarded two Masters' degrees.



Benjamin Schmidt
President & Co-Founder
Roadbotics

Dr. Benjamin Schmidt, Dr. Mertz and Mark DeSantis spun out RoadBotics in 2016. Soon after, the founders recruited a team of passionate individuals to commercialize the technology and offer solutions that would help disrupt the highly subjective and expensive pavement inspection process. Today, over 160 governments across the world use RoadBotics' pavement assessments to fix the right roads at the right time while saving taxpayer dollars.



Timo Saarenketo
CEO
Roadscanners Oy

Dr. Timo Saarenketo is internationally known "Road Doctor" specialized in Non-Destructive Testing based road and bridge and other traffic infrastructure asset diagnostics and management. Over the last few years he has also been working on an analysis of the impact of new heavy trucks and future autonomous trucks on the condition of the pavement structure

Session Timings	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
8:00 – 8:30	<i>Welcome & Introductions</i>	<i>Good Morning & Networking</i>	<i>Good Morning & Networking</i>	<i>Good Morning & Networking</i>	<i>Good Morning & Networking</i>
8:30 – 10:00	Session 1: Introductions & Asset Management Overview	Session 4: Introductions & Workshop Objectives	Session 7: Asset Management System Approach	Session 10: Inspections & Surveys	Ascendi Operations Control Centre Visit
10:30 – 12:00	Session 2: Asset Management Overview (Cont)	Session 5: Best Practices & Lessons for the Region	Session 8: Lifecycle Planning & Programme Development	Session 11: Asset Data for Investment Decisions	
13:00 – 14:00	Session 3: Workshop Exercise	Session 5: (Cont)	Session 8: (Cont)	Session 12: Service Delivery Models	Course Summary & Evaluation Certificate & Close
14:30 – 16:00		Session 6: Organisation & Stakeholders	Session 9: Asset Management Information Systems	Session 14: Performance Based Contract Overview	