



Pavement Management Systems: Integrating Pavement Preservation into Decision Making

COURSE OVERVIEW

This course introduces the basic components of a Pavement Management System and how the products of that system can be used as decision-making tools for the development of a pavement preservation/rehabilitation and construction program. Attendees of the course will also be introduced to the following: the concept of pavement preservation and its applicability within a transportation agency, pavement preservation strategies, and common pavement distresses.

Preventive maintenance programs are an integral part of pavement preservation whereby roadway assets are maintained through the early application of low-cost treatments to roads in good condition to extend their functional life. Implementing these preventive measures is difficult because it is still common practice to allocate funding to fix roads in poor condition first. A pavement management system can justify the benefits associated with preventive maintenance if it is properly integrated with the other preservation efforts. In this course, ways to integrate preventive maintenance into pavement management models and analyses will be presented.

WHO SHOULD ATTEND?

This course is designed for engineers who are working for consultants, contractors, laboratories and agencies that deal with pavement design and construction.

LEARNING OUTCOMES

- Explain what transportation asset management is and why it is important.
- Describe asset management principles and practices used to make informed spending decisions.
- Describe the basic components of a Pavement Management System (PMS).
- Describe the steps needed for the development, implementation and operation of a PMS.
- Describe and understand different pavement preservation strategies and the distresses they can help mitigate/delay from occurring.
- Understand the ways pavement management tools can support preservation activities at the project, network, and strategic analysis levels.
- Understand the importance of integrating pavement preservation into a PMS.
- Name the common obstacles to the successful integration of pavement preservation and pavement management programs and the strategies for overcoming them.
- Evaluate return on investment when deciding between preservation alternatives.

REGISTRATION

31 March-1 April 2020
Texas A&M University Engineering Building
Education City, Doha, Qatar

Registration fees: \$1,250 Registration is open until 22 March 2020



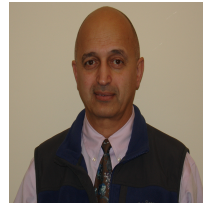
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COURSE INSTRUCTORS



Dr. Eyad Masad is a professor at Texas A&M University. Dr. Masad has been a consultant on major projects in the United States and in the Middle East. Specifically, he has significant experience in the properties and performance of pavements in the State of Qatar.



Dr. Walaa Mogawer is a professor in the University of Massachusetts Dartmouth. He has over 30 years of research and practical experience in the design of different types of asphalt mixtures, asphalt binder and mixture characterization, pavement preservation and management.

FOR MORE INFORMATION ABOUT

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