



MESAT Board is pleased to announce the third technical webinar on

## Pavement Design Practices in the Middle East and the Effects of Climate Change and Traffic Increase

June 21<sup>st</sup>, 2021

### Webinar Objective

Global commitments to tackle climate change challenges have placed greater societal expectations on road builders to design and deliver resilient pavements. This webinar focuses on climate change issues and challenges for highway agencies and industry in the region.

### Webinar Tracks

- Climate change challenges in transportation and pavement design.
- The direct impact of increased / extreme temperatures and flooding on pavements.
- Damage assessment and strategies to mitigate challenges.
- Identify pavement designs solutions, improved production and construction issues.
- How laboratory tests may play a role in better understanding future performance.
- Case studies / success stories in the region.

### MODERATOR

### WEBINAR SPEAKERS

**Professor Kamil Kaloush, PhD**  
Arizona State University, USA

**Dr. Mohamed El-Basyouny, PhD**

**Professor M. Emin Kutay, PhD**



Dr Mohamed El-Basyouny is currently working for Parsons in Dubai as a project manager/Pavement Specialist. Dr. El-Basyouny duties include providing pavement design and asphalt material specifications for Parsons projects in the Middle East. His current task is providing technical support to Public Authority for Road and Transport (PART) in Kuwait. Before joining Parsons, Dr Mohamed El-Basyouny worked as an assistant professor at Arizona State University, USA since 2004. Dr El-Basyouny worked on several projects funded by the National Academy of Science, and Federal Highway Agency including NCHRP 1-37A, Development of New Mechanistic-Empirical Design Guide for New and Rehabilitation Pavement Structures.

Dr. M. Emin Kutay is a Professor at the Department of Civil and Environmental Engineering at the Michigan State University (MSU). Dr. Kutay's background is in the areas of asphalt mixture material characterization (experimental and modeling), pavement analysis and design, pavement preservation methods and geotechnical engineering. Dr. Kutay received his B.S. degree in Civil Engineering at the Middle East Technical University, Ankara, Turkey. He obtained his M.S. and Ph.D. degrees in Civil and Environmental Engineering from the University of Maryland, College Park. Dr. Kutay's contributions to pavement engineering have been recognized through several awards including the 2008 ASCE Collingwood Prize, 2009 ASCE Arthur M. Wellington Prize and Association of Asphalt Paving Technologists (AAPT) Walter J. Emmons Award for the best paper presented at the April 2008 Annual Meeting

### TIME

09:00 - 11:00 AM US ET  
13:00 - 15:00 Greenwich Time (GMT)

### ORGANIZERS

Sharif University of Technology, Iran  
University of Balamand, Lebanon  
University of Wisconsin-Madison, USA  
Arizona State University, USA

[www.mesat.org](http://www.mesat.org)

### WEBINAR INFORMATION

<https://us.bbcollab.com/guest/0b06f10c288246729f98cddd26fa90bf>

