



MESAT Board is pleased to announce the second technical webinar on
Asphalt Mixtures Design: Marshall to Superpave and Balanced Mix Design
March 31 ,2021

WEBINAR SPEAKERS



Professor Sherif El-Badawy, PhD

Sherif El-Badawy is Professor of Highway Engineering at Mansoura University in Egypt, Vice Dean for Postgraduate Studies and Research, and Director of the Highway and Airport Engineering Laboratory. He received his BS and MS degrees in Civil Engineering from Mansoura University, and his PhD degree from Arizona State University (ASU) in the USA in 2006. He worked as a postdoctoral research associate at ASU until July 2007 and as a research fellow at the University of Idaho from December 2009 until January 2012. Dr. El-Badawy has more than 25 years of experience in the field of pavement engineering and has served on the TRB Standing Committee on Design and Rehabilitation of Asphalt Pavements (AFD60) since April 2012. He is a member of four committees formed by the Housing and Building National Research Center for updating the Egyptian codes for urban and rural roads. His research interests focus on sustainable pavement materials, pavement design and performance. He is the Editor-in-Chief of the Innovative Infrastructure Solutions and Mansoura Engineering Journal. He has published more than 100 technical publications.



Professor Hasan Ozer, PhD

Dr. Hasan Ozer earned his BS degree in 1999 at the Middle East Technical University in Turkey, his MS degree in 2005 at Northwestern University in Illinois and his PhD in 2011 from the University of Illinois at Urbana-Champaign (UIUC). He worked as a research assistant professor at UIUC and the Illinois Center for Transportation until he joined Arizona State University's School of Sustainable Engineering and the Built Environment in 2019 as an associate professor. His research focuses on pavement materials characterization, pavement design analysis, development of rehabilitation and preservation programs. He is interested in developing computational mechanics methods for structural performance modeling of pavements and using life-cycle assessment for development of sustainable transportation infrastructure.

MODERATOR



Professor Nader Tabatabaee , PhD
Sharif Unieversity of Technology, Iran

The webinar will be an interactive gathering focused on the following important topics:

- Overview of current mix design practices in the region and latest challenges and changes.
- Whatever mix design is being used, covering the basic requirements to assure use of good materials, following proper mixing and construction practices is a must.
- How are traffic and climate being considered in the Marshall and the Superpave Mix Designs, and are the data for traffic available?
- Use of bitumen modifiers in asphalt mixture is increasing; what changes, if any, are being considered in the mixture designs?
- In many parts of the world, the concepts of Balanced Mix Design (BMD), or Performance Related Specification (PRS) based mix design is being adopted, is this concept spreading in the Middle East? Why or why not?
- Many countries are developing standardized wheel tracking and cracking tests for mixtures to improve predictability of performance. What methods are being considered in the region?
- Do the advanced design methods require more stringent QC/QA provisions than Marshall method?
- Is the pace of asphalt recycling practices in the region, or certain countries of the region, in line with those of the more industrialized countries in the world, and does it have to be?
- Success stories of advanced mixture design in the region

WEBINAR INFORMATION

<https://us.bbcollab.com/guest/a85eef16b34a4a29985c5a4583b2aeeb>

TIME:

1:00 pm GMT

ORGANIZERS:

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

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