

Transportation Infrastructure Conference

TENTATIVE PROGRAM



Theme: sustainable and resilient transportation infrastructure

Monday, April 22, 2019

St. Pat's Ballroom, Havener Center, Missouri University of Science and Technology, Rolla, MO

8:30 – 8:50	Welcome – Kamal H. Khayat, Chairman, Missouri S&T
	Opening Remarks – Jennifer Harper, Research Administrator, MoDOT
Morning Sessions (St. Pat's A/B)	
Session #1 Moderator: Suzie Long, Missouri S&T	
8:50 – 9:30	Kyle Riding , University of Florida (keynote) Make your concrete last: Strategies for durable construction
9:30 – 9:50	Mohammed ElGawady , Missouri S&T Assessment and Repair of Axially Loaded Steel Piles
9:50 – 10:10	Onur Kalan , Center for Urban Science & Progress, New York University (Invited speaker) Probabilistic Life Cycle Cost Analysis Methodology and Implementation Framework for New Construction Materials and Technologies
10:10 – 10:40	BREAK / STUDENT POSTER SESSION (Miner Lounge)
Session #2 Moderator: Jennifer Harper, MoDOT	
10:40 – 11:20	William Buttlar , Chair of Flexible Pavement Technology, University of Columbia (keynote) TBD
11:20 – 11:40	Magdy Abdelrahman , Missouri S&T A Threshold to Utilize Guayule Resin as a New Binder in Flexible Pavement Industry
11:40 – 12:00	Guney Olgun , Missouri S&T Ground-Source Bridge Deck Deicing Using Integrated Energy Foundations
12:00 – 1:00	LUNCH / STUDENT POSTER SESSION (St. Pat's C)
Afternoon Sessions (St. Pat's A/B)	
Session #3 Moderator: Lesley Sneed, Missouri S&T	
1:00 – 1:40	Kamal Khayat , CIES Director, Endowed Professor of Civil Engineering, Missouri S&T (keynote) Development and Performance of Cost-Effective Ultra-High Performance Concrete for Infrastructure Applications
1:40 – 2:00	Hongyan Ma , Missouri S&T Acid-Base Cements For Extremely Durable Construction And Repair: Reaction, Microstructure And Properties
2:00 – 2:20	Aditya Kumar , Missouri S&T Ensemble and Hybrid Machine Learning Models for High-Fidelity Prediction and Optimization of Properties of Cementitious Systems
2:20 – 2:50	BREAK / STUDENT POSTER SESSION (Miner Lounge)
Session #4: Moderator: Dave Ahlvers, MoDOT	
2:50 – 3:30	MO Department of Transportation (keynote) - TBD
3:30 – 3:50	TBD
3:50 – 4:00	Winners of Poster Competition and Closing Remarks – Dave Ahlvers and Kamal Khayat