

Challenges and Solutions in Cold Asphalt Pavement Recycling

Dr. Rajib B. Mallick, Ph.D., P.E., FASCE

Friday, March 10, 2023 12:15 pm - 1:15 pm (IST)

Join from the meeting link

<https://tinyurl.com/ywzzdnzy>



ABOUT THE TALK :

The savings in natural resources, coupled with emerging technologies has made recycling a very attractive option for the departments of transportation. There are four critical factors in conducting a successful cold recycling process – project depth selection, mix design, construction, and long-term strength gain. The presentation will focus on some challenges and solutions in cold asphalt pavement recycling. The topics will include accurate determination of recycling depths, mix design, decisions regarding the opening of recycled layers to traffic and application of overlay, and structural design.

ABOUT THE SPEAKER :

Dr. Rajib B. Mallick, Ph.D., P.E., FASCE, is currently working as a Visiting Professor of the Dept. of Civil Engineering at the University of Texas at El Paso. Dr. Mallick has conducted research in pavement engineering for more than 25 years and has published extensively on these topics. He is a graduate of Auburn University, USA, and worked as a senior research associate at the National Center for Asphalt Technology (NCAT), as Ralph White Family distinguished professor at Worcester Polytechnic Institute in Massachusetts, and as a Professor of Civil Engineering at IIT Madras and IIT Delhi. He has completed numerous research projects for several DOTs, FHWA, Massachusetts Port Authority, NSF, and several private organizations. He has authored two textbooks, 107 journal papers, 75 conference papers, and 38 research reports, and has a US patent. He is a member of the TRB Asphalt Materials Selection and Mix Design Committee (AKM30) and is an Associate Editor for the ASCE Journal of Materials in Civil Engineering.