Abstract

Transportation engineering is entering a new era where disruptive technologies and advanced machine learning models are being developed and introduced into the field. These exciting changes also bring a paradigm shift on transportation research and funding opportunities. In this presentation, we will introduce the smart mobility research at Penn State, including autonomous vehicles development and testing, electric vehicles related research, and transportation big data analytics.

Speaker Biography

Dr. XB Hu is an Assistant Professor at Pennsylvania State University, in the department of Civil and Environmental Engineering and directs the SmartMobility lab at PSU. Prior to this, he was an Assistant Professor at Missouri University of Science and Technology between 2017 and 2021. His research focuses in the area of Smart Mobility System, Dynamic System Modeling, Active Demand Management, Autonomous Vehicles, and Electric Vehicles.