

Dr. Mahendra Singh

Topic: Unlocking Grid Flexibility: The Role of EVs for Future Grid Operation and Renewable Integration.

The growing adoption of electric vehicles (EVs) offers a unique opportunity to enhance grid flexibility, crucial for supporting the increasing share of renewable energy sources in Thailand. The talk will discuss the potential of EVs in providing system flexibility through smart charging and vehicle-to-grid (V2G) technology. Additionally, it will showcase use cases and best practices from EU countries. A summary of stakeholders' perspectives on V2G, drawn from the ongoing Thai-German Cooperation on Energy, Mobility, and Climate (TGC EMC) project, will also be highlighted in the presentation