

PROJECT DETAILS

Project Title:

Electric Vehicle Integration and Charging Strategies

Project Summary:

Electrification of transportations offers enormous potential for reducing global pollution. As well as cutting emissions, electric vehicles can serve as energy storage systems for renewable energy, which can play an integral role in achieving net zero targets. Furthermore, electric vehicles can help alleviate the weak grid problem caused by the discontinuation of traditional power stations (e.g., coal-fired stations). This project aims to improve the system strength of the grid by investigating the integration of electric vehicles and their charging strategies.

Preferred Applicant Skillset:

We are looking for an exceptional PhD candidate who is self-motivated and has prior research experience in relevant electrical engineering areas. The candidate is expected to have a solid academic and/or research track record, evident through quality journal publications published in IEEE/Elsevier journals. A candidate with a Master by Research or a Master with a significant thesis component will be preferred.

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