



11th IEEE Innovation Smart Grid Technologies Asia (IEEE ISGT-Asia 2022) November 1 - 5 Marina Bay Sands, Singapore



Platform for Interconnected Microgrids Operation – Project Overview



Supported by:





Timeline (11am - 12 pm)

1. Introduction (Romain MIGNÉ, EDF)
2. PRIMO Project Overview (Dr. Lalitha SUBRAMANIAN) - 10 mins
3. Panelist Presentations – (5*5 mins)
 1. Prof. TSENG, SIT
 2. Dr. Amit GUPTA, Rolls Royce
 3. Mr. Peter NG, Narada
 4. Dr. TRẦN, EVN PECC2 (online)
 5. Prof. HAMACHER, TUM (online)
4. Round table discussion – 15 mins
5. Closing remarks



Q&A

shorturl.at/alqJN



Conclusion

The journey of Urban Microgrids in Singapore continues with EDGE2!

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Exploiting Distributed GEneration Programme

The Exploiting Distributed GEneration (EDGE) Programme focuses on next-generation energy technologies. This first-of-its-kind grant scheme builds capabilities in distributed energy technologies to prepare Singapore for an increasingly decentralised energy landscape.

- The grant call aims to strengthen and develop new capabilities in the areas of distributed generation to prepare Singapore for a decentralised energy system, through electrical power engineering.
- There are 2 domain research areas for this grant call:
 - Interconnection and Management of Distributed Energy Resources (DERs) with Utility Grid to Provide Non-Homogeneous Power Quality. Develop the optimal architecture and strategies for interconnection of DERs with the utility grid and for management of these DERs to provide differentiated levels of power delivery service to different categories of end-use loads, with the aim of reducing the overall costs of energy delivery in the electricity supply chain.
 - Asset Management with Computational Intelligence Based Predictive Maintenance that can manage a Large Number of DERs including Vehicle-to-Grid (V2G) Technologies. Develop technologies and methodologies to efficiently and economically manage and maintain the projected increased number of DERs (including V2G applications) in the future power network with the aim of optimising total life-cycle cost.