

IEEE PES Seminar

Date: **23-Mar-2021**

Time: **06:00 PM**

Topic: Energy-efficient operation of distributed energy using machine learning and real-time control

Abstract: The grid is transforming substantially with distributed energy resources (DERs). This change in energy generation and consumption profile can substantially impact resiliency and robustness of the grid. We delve deeper into how DERs can be controlled and managed using IoT and machine learning. Through case studies, we outline the problems in current system, their solutions, and what lies ahead.



Bio: Dr. Jayantika Soni is the co-founder and CTO of Resync, an early-stage startup building an AI-driven energy cloud. She started Resync with her co-founder, Emir Nurov in late 2017. Resync is making power systems with renewables and buildings more efficient by advanced control and machine learning algorithms. Dr. Soni holds a Ph.D. in electrical engineering from the National University of Singapore and a bachelors from the Indian Institute of Technology (IIT), Varanasi, India.

Zoom meeting details:

Date: **23-Mar-2021**

Time: **06:00 PM**

Time Zone: **Asia/Singapore**

Duration: **1 hour**

<https://nus-sg.zoom.us/j/83235416714?pwd=c3BiWnA4NndDaWs1UjlsTElKd0FHdz09>

Meeting ID: **832 354 167 14**

Meeting Passcode: **222143**