

Name: Bhuvan Neema

Affiliation: University Of Michigan

Expected Graduation: Dual-Master (MSE + MS), December 2017

Field of Study: MSE in Mechanical Engineering + MS in Natural Resources and Environment

With my dual-degree graduate program I am specializing in power & utility sector. I am particularly focused on using system thinking to evaluate the technical, economical, and environmental impacts of changes to power grid like high penetration of intermittent renewable resources, DER, and EV's. In addition, building up from my three years of industrial experience in designing building energy systems, I am also developing my skill set in transforming building systems, like HVAC, to be used a grid resources via demand response applications. Currently I am interning at ICF in Fairfax, VA with their Energy Advisory & Solution team, performing due-diligence of renewable energy projects for investors.

I have two key reasons for attending this conference: (i) Currently I am evaluating the "Flexible Resource Adequacy- Must Offer Obligation" proposal by CAISO for its potential impact in the capacity market and to existing combined cycle units in California. I want to connect with experts in CASIO region and policy makers to discuss my finding and get feedback; and (ii) For my thesis research work I am evaluating the carbon mitigation potential of battery energy storage for grid applications. I aim to gather information on current offerings by energy storage developers in different US electricity markets and understand their contract pricing schemes. I foresee that this conference would be most valuable for me to develop my professional network in US energy Industry.