

Smart Grid/Energy Systems

The Renewable Energy & Sustainability Center at Farmingdale State College along with the Power & Energy Society of IEEE and IEEE Technical Activities Speakers' Bureau has scheduled a technical meeting.

Friday, October 12th, 2018
Farmingdale State College
Lupton Hall room T101
12:00pm to 3:00pm

Speaker Ms. Wanda Reder



"The grid," refers to the electric grid, a network of transmission lines, substations, transformers and more that deliver electricity from the power plant to your home or business. It's what you plug into when you flip on your light switch or power up your computer. Our current electric grid was built in the 1890s and improved upon as technology advanced through each decade. Today, it consists of more than 9,200 electric generating units with more than 1 million megawatts of generating capacity connected to more than 300,000 miles of transmission lines. Although the electric grid is considered an engineering marvel, we are stretching its patchwork nature to its capacity. To move forward, we need a new kind of electric grid, one that is built from the bottom up to handle the groundswell of digital and computerized equipment and technology dependent on it—and one that can automate and manage the increasing complexity and needs of electricity in the 21st Century.

The Event is free but registration is required. Click for [registration](#). Professional Engineers will earn 0.2 CEU/2 PDHs for attending.

