DISTRIBUTED ENERGY RESOURCES, MICROGRIDS & GRID RESILIENCY, ENERGY STORAGE & ELECTRIC VEHICLES

Participants will have a high level overview of Distributed Energy Resources (DER), Microgrids & their roles in the future grid, various elements of Distributed Energy Resources such as Energy Storage, Electric & Plug-in Hybrid Electric Vehicles.

Distributed Energy Resources
- Supply & demand side resources
- Technical issues
- Control & integration issues

Energy Storage
- Overview of technologies: pumped hydro, flywheels, batteries, ultra capacitors, compressed air energy storage, etc
- Overview of existing & potential applications for energy storage
- Economics & modeling for systems analysis

Microgrids
- Development & applications
- Structure & components
- Feasibility assessment, functional design & cost-benefit analysis

Plug-in Hybrid Electric Vehicles (PHEV)
- Introduction to PHEV’s grid deployment
- Projections of market for electric vehicles, their economies and government incentives
- Charging technology, batteries, operations & rates
- Grid impact evaluation & smart charging

Power system engineers, planners & operators, as well as economists & policy makers working on readiness of the future grid where various elements of Distributed Energy Resources are expected to play an increasingly greater role.

6 - 8 March 2017
0830 - 1730
Lunch and tea breaks will be provided.

Send your forms to sipg@singaporepower.com.sg by 27 Jan 2017

$3,300
$1,650
(For Singaporeans/PR)

Singapore Institute of Power and Gas
1A Woodleigh Park
Singapore Power Training Institute

Pending PDUs by Professional Engineers Board

A SIPG and GE Collaboration

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Dr. Bahman Daryanian joined GE Energy Consulting in 2010 as a Technical Director, focusing on Power Economics (electricity market modeling, asset valuation, and renewable integration studies), and Smart Power (smart grid, microgrids, and demand response).

He is the Principal Instructor of two GE PSEC courses: Demand Response & Dynamic Pricing, and Distributed Energy Resources, Microgrids, Energy Storage and Electric Vehicles.

Dr. Daryanian was a principal team member of the NYSERDA 5-Site feasibility study on Microgrids for Critical Facility Resiliency in New York State. His other completed projects include the PJM Renewable Integration Study (PRIS), a review of best practices for the customer-side of smart grid for China Electric Energy Research Institute (CEPRI), and performing a Zero-Net-Energy study for a UC Davis residential/commercial community development. He helped develop the optimization engine for a GE tool to assess reliability benefits of distribution automation investments. Dr. Daryanian was a recipient of the 2014 Annual Achievement Awards of the Utility Variable-Generation Integration Group (UVIG) for his work on the PJM Renewable Integration Study (PRIS). He was also a recipient of the 2016 Annual Achievement Awards of the Utility Variable-Generation Integration Group (UVIG) for his work on the Pan-Canadian Wind Integration Study (PCWIS).

He holds a Ph.D. in Mechanical Engineering, a M.S. in Mechanical Engineering and Technology & Policy Program, from the Massachusetts Institute of Technology (MIT).

REGISTRATION FORM: DISTRIBUTED ENERGY RESOURCES (6 - 8 MARCH 2017)

Name in NRIC: ___________________________ NRIC Number / FIN: ___________________________

FIN Expiry Date: ________________ Nationality: ___________________________ Date of Birth: ________________

Company Name: ____________________________ Designation: ____________________________

Company Address: ________________________________________________________________

Contact Number: ____________________________ Email: ____________________________

Highest Qualification: ____________________________ PE number (if applicable): ____________________________

Name of Contact Person: ____________________________ Designation: ____________________________

Contact Number: ____________________________ Email: ____________________________

Food preference: ☐ Vegetarian ☐ Indian Vegetarian ☐ Halal

TERMS AND CONDITIONS

1. Singapore Institute of Power and Gas Pte Ltd (SIPG) is committed on maintaining the confidentiality of the personal information and undertakes not to reveal applicant’s information to any 3rd party (other than the funding-related agencies) without prior consent of the applicant.

2. The registration form should be submitted to SIPG by 27 January 2017. All registration will only be confirmed when payment is received. SIPG reserves the right to withdraw or re-schedule the class without prior notice.

3. Trainee shall be bounded by the Terms and Conditions of any applicable funding scheme as approved by SIPG. In the event that the trainee fails to meet any of the requirements set under the funding scheme or as stated below, and thereby resulting that his/her application for funding claim is rejected, the trainee is liable to pay the balance of the course fee to SIPG.
   - Trainee achieves less than the minimum attendance required by the course.
   - Trainee fails to sit for the required assessment where applicable.

4. PAYMENT TERMS
   All prices quoted are in SGD and are subjected to GST
   Payment is required to be made to SIPG at least 2 weeks before course date.

5. CANCELLATION POLICY
   >5 working days before course starts: 100% refund
   3-5 working days before course starts: 50% refund of fee paid
   <3 working days before course starts: No refund

6. TRANSFER/REPLACEMENT POLICY
   All transfer/replacement requests must reach SIPG at least 5 working days before course starts, requests are subjected to approval.

7. PERSONAL DATA PROTECTION ACT
   Call and send me messages at my numbers above about future courses: Yes / No
   I, ____________________________, hereby declare that the information herein is true and accurate to the best of my knowledge. Should I/we pay the net fee now and fail to fulfill all the stated conditions for the award of the training grant, I/we agree to pay SIPG the balance of the normal fee.

If you are submitting this form on behalf of another, you have obtained the consent of the person(s) named in this form, for SIPG and its employees, agents and representatives, to collect, use and disclose all information as contained in the form for all purposes relevant in the context of this form and as notified to you by your SIPG contact, as well as to comply with all laws and other legal requirements relevant to SIPG from time to time.