

## PROGRAM OF EVENTS

### OPENING RECEPTION

### WELCOME AND INTRODUCTIONS

Wasył Kinach, P.E., MESC Chairman

### MAYOR'S PROCLAMATION OF ENGINEERS WEEK

Salvatore Galletta, P.E., MESC Program Chair  
Wasył Kinach, P.E., MESC Chairman  
Peter Kontogiannis, P.E., Assistant Deputy Director,  
NYC DEP

### HONORING OTTO W. MAATSCH, P.E.

Salvatore Galletta, P.E., MESC Program Chair  
Wasył Kinach, P.E., MESC Chairman  
Family of Otto Maatsch, P.E.

### KEYNOTE ADDRESS

Douglas Castelli, P.E., ASCE Representative to MESC

Introducing

PAUL HANSEN, P.E.  
Sr. Director of Plant Operations,  
Northwell Health Staten Island University Hospital.

### "US NUCLEAR INDUSTRY RESPONSE TO FUKUSHIMA – FLEX"

### CLOSING REMARKS

Wasył Kinach, P.E., MESC Chairman

## KEYNOTE SPEAKER



### **PAUL HANSEN, P.E. Sr. Director of Plant Operations, Northwell Health Staten Island University Hospital.**

Mr. Hansen holds a Bachelor of Science degree in Mechanical Engineering from Old Dominion University as well as a Master of Science degree in Mechanical Engineering from Polytechnic University of New York.

Mr. Hansen began his thirty two year career in commercial nuclear power with GPUNuclear. With GPUNuclear for fourteen years he was the lead safety analysis engineer for Oyster Creek Nuclear Generating station. In this capacity he was responsible for nuclear safety related issues associated with Primary Containment as well as the Nuclear Steam Supply System (NSSS). He actively participated in Emergency Procedures and Severe Accident Management committees sponsored by the Boiling Water Reactor Owners Group (BWROG). Following GPUNuclear's divestiture of their Nuclear generating assets

Mr. Hansen joined ENERCON Services as a senior Mechanical Engineer. ENERCON primarily supports the US Commercial Nuclear Industry. Over his eighteen year career with ENERCON he served as the Mechanical Engineering Supervisor, Engineering Manager, Director of

Northeast Operations finally completing his tenure as the Engineering Review Board Chairman within the Chiefs organization. While director he oversaw Fukushima assessments and plant upgrades for many of the Nuclear Plants in the Northeast including: TMI1, OC, IPEC2, IPEC3, NMP1, NMP2 and JAF.

Mr. Hansen is currently working for Northwell Health as the Senior Director of Operations for SIUH.

### SUMMARY OF PRESENTATION

This presentation reviews the events that occurred at Fukushima, the lessons learned, and how the US Commercial Nuclear Industry has implemented those lessons. The discussion will review the Seismic event and how the site design basis compared with the magnitude of the earth accelerations and how the units responded.

The Tsunami that resulted from the earthquake is assessed against the plants design basis and the impact that resulted. The emergency system are assessed with focus on how they were powered and their ability to provide cooling following the event. With this information the two Fukushima sites and how they responded to the event are reviewed.

The well documented Daiichi site and the lesser known Daini site will be compared. Finally we review how the US Industry took the lessons from the Daini site to establish a means of responding to beyond design basis external events developing the FLEX strategy.



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**ENGINEERS WEEK RECEPTION**



**FEBRUARY 17-23, 2019**

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**District Council 37 (AFSCME AFL-CIO) HQ,  
 125 Barclay St.  
 Tuesday, February 12, 2019**