

## 2019 IEEE PES GM

Panel Session on

### Local Frequency Measurements for System Control

#### Abstract

This panel aims to provide a practical definition of local bus frequency, review the methodologies to calculate or estimate it, and thoroughly discuss the applications of the local bus frequency for power system control.

Chair: Lamine Mili, Professor, Virginia Tech, [lmili@vt.edu](mailto:lmili@vt.edu)

Co-chair: Federico Milano, Professor, University College Dublin, [federico.milano@ucd.ie](mailto:federico.milano@ucd.ie)

#### Time

3 hours

#### Schedule

**Tuesday, August 6<sup>th</sup>, 15:00-18:00**

Name	Affiliation	Email	Title
Harold Kirkham	PNNL	Harold.Kirkham@pnnl.gov	Measuring Bus Frequency: Some Fundamentals
Ryan D. Quint	NERC	Ryan.Quint@nerc.net	Practical Experience from the Blue Cut Fire Disturbance
Federico Milano	UCD	federico.milano@ucd.ie	Frequency Divider: How to Calculate Frequency during Electromechanical Transients
Junbo Zhao	Virginia Tech	zjunbo@vt.edu	Robust Bus Frequency Estimation for Power System Monitoring and Control
Yilu Liu	UTK	liu@utk.edu	Update on Frequency Estimation and Control Applications