

## NASPI Virtual Workshop Agenda

### “Monitoring, Analysis and Mitigation of Oscillations and Inverter Based Resource Impacts”

**April 11, 2022**

**11:00am ET (4.5 hours)**

**Moderated by Matthew Rhodes**

Power system oscillations continue to be a crucial phenomenon in system stability that requires monitoring and mitigation to avoid catastrophic system failures and blackouts. The increase in electronic versus mechanical system stability controllers from the increase in Inverter Based Resources (IBRs) and retirement of traditional generation resources has led to a new era of system stability studies and control philosophies, particularly with relation to fast responding IBR inverters. This workshop will provide an introduction on oscillations and NERC recommendations for monitoring and mitigating oscillations as a primer for further discussions on IBR source oscillations and methods to mitigate these oscillations as we move into this new era of high IBR penetration and system stability challenges.

<b>Eastern Time</b>	<b>Monday, April 11, 2022</b>
11:00 – 11:05 am	Welcome & Introductions:
11:05 – 12:00 pm	Introduction to basic oscillations, forced oscillations and IBR oscillation potential – Mani Venkatasubramanian (WSU)
12:00 – 1:00 pm	NERC Oscillation Analysis for Monitoring and Mitigation – Aftab Alam (CAISO, NERC SMWG)
1:00 – 1:30pm	<b>Break</b>
1:30 – 2:30 pm	IBR Oscillations in the Dominion Energy System - Chetan Mishra (Dominion)
2:30 – 3:00 pm	IBR Oscillation Damping Control – Evangelos Farantatos (EPRI)
3:00 – 3:30 pm	A Strategy for Forced Oscillation Suppression – Dan Trudnowski (Montana Tech)