

All ▾



ADVANCED SEARCH

Conferences > 2020 10th Annual Computing an... ?

Back to Results

Monitoring and Alarm System Timing Analysis for an Interconnecting Grid

Publisher: IEEE

Cite This

PDF

Steve Chan ; Parnmook Nopphawan **All Authors**

2 Paper Citations

27 Full Text Views



Abstract

Abstract:

Power system oscillation is a common problem in interconnected power grids. Progress has been made in measurement-based oscillation analysis due to the increased utilization of wide-area measurement system (WAMS). However, robust solution set approaches, such as oscillation classification at the “edge” and dynamic re-tuning of power system stabilizers (PSS), are often not exercised; rather generation shedding has become a common approach vector. This interim approach has risen in prevalence while the actual engineering to address root causes has been sidelined; this paper delineates the issue and posits a prospective solution for the current timing problem.

Document Sections

- I. Introduction
- II. Interconnecting Grid and Power Oscillation
- III. Time Constraint for the Power Oscillation Issue
- IV. Proposed Solution Regarding Oscillation Problem
- V. Conclusion

Published in: 2020 10th Annual Computing and Communication Workshop and Conference (CCWC)

Date of Conference: 6-8 Jan. 2020

INSPEC Accession Number: 19451854

Date Added to IEEE Xplore: 12 March 2020

DOI: 10.1109/CCWC47524.2020.9031167

► ISBN Information:

Publisher: IEEE

Conference Location: Las Vegas, NV, USA, USA

Authors

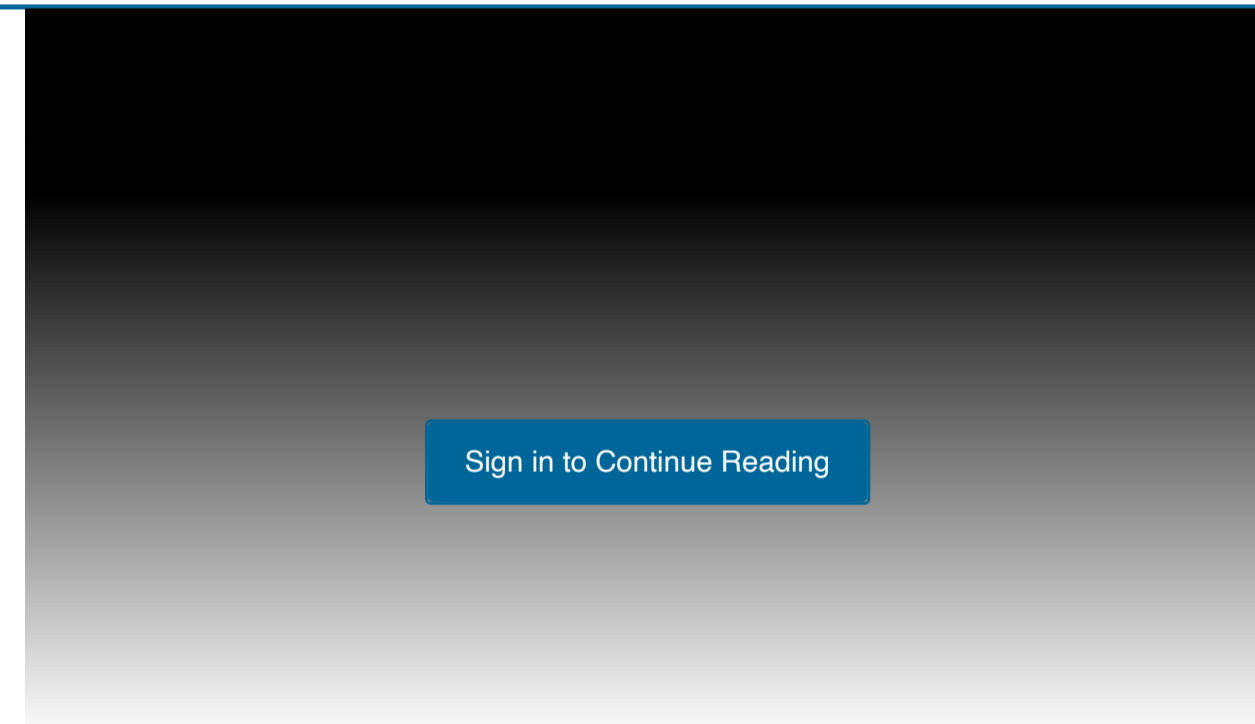
Figures

References

Citations

Keywords

Metrics



Sign in to Continue Reading

Authors ▾

Figures ▾

References ▾

Citations ▾

Keywords ▾

Metrics ▾

Need Full-Text
access to IEEE Xplore for your organization?
CONTACT IEEE TO SUBSCRIBE >

More Like This

A module-based approach to integrating wind power for guaranteed power system stability
2008 First International Conference on Infrastructure Systems and Services: Building Networks for a Brighter Future (INFRA)
Published: 2008

Enhancement of power system stability using fuzzy logic based supervisory power system stabilizer
2008 IEEE 2nd International Power and Energy Conference
Published: 2008

Show More

TechRxiv™
Share your unpublished research with the world—submit your preprint article to TechRxiv today!

Benefits:

- Rapidly disseminate your research findings
- Gather feedback from fellow researchers
- Establish the precedence of a discovery
- Document results in advance of publication
- Find potential collaborators

Learn more ▶

techrxiv.org **IEEE**

IEEE Personal Account

CHANGE USERNAME/PASSWORD

Purchase Details

PAYMENT OPTIONS

VIEW PURCHASED DOCUMENTS

Profile Information

COMMUNICATIONS PREFERENCES

PROFESSION AND EDUCATION

TECHNICAL INTERESTS

Need Help?

US & CANADA: +1 800 678 4333

WORLDWIDE: +1 732 981 0060

CONTACT & SUPPORT

Follow

