

G. V. N. Yatendra Babu PhD

Assistant Professor

Electrical and Electronics Engineering

Bapatla Engineering College, Bapatla.

Email : yatendra.g@becbapatla.ac.in



Biography

Researcher with keen interest in advanced energy management applications.

Awards & Honors

1.

Selected Publications

1. G. V. N. Yatendra Babu and V. Sarkar, "Transient Instability Mitigation via Repetitive Corrective Actions Based Upon the Real-Time Macrocoherency Evaluation," in *IEEE Systems Journal*, doi: 10.1109/JSYST.2020.2967074.
2. N. R. Naguru and G. V. N. Yatendra Babu, "Design of A Limited State Feedback Wide-Area Power System Damping Controller without Communication Channels," in *IEEE Access*, doi: 10.1109/ACCESS.2020.3021599.
3. G. V. N. Yatendra Babu and V. Sarkar, "A Case Study on Clustering Methods Applied to Identification of Generator Coherency for Controlled Islanding," *2019 8th International Conference on Power Systems (ICPS)*, Jaipur, India, 2019, pp. 1-6, doi: 10.1109/ICPS48983.2019.9067365.
4. N. Reddy Naguru and G. V. N. Yatendra Babu, "Reduced-Scale Wide Area Control System Design Based Upon the Dominancy Index Analysis," *2019 8th International Conference on Power Systems (ICPS)*, Jaipur, India, 2019, pp. 1-5, doi: 10.1109/ICPS48983.2019.9067678.
5. G. V. N. Yatendra Babu, N. R. Naguru and V. Sarkar, "A Minimalistic Approach for Wide-Area Out-of-Step Identification," *2018 20th National Power Systems Conference (NPSC)*, Tiruchirappalli, India, 2018, pp. 1-5, doi: 10.1109/NPSC.2018.8771837.
6. N. R. Naguru, G. V. N. Yatendra Babu and V. Sarkar, "Design and performance analysis of wide area controller in the presence of multiple load types," *2016 National Power Systems Conference (NPSC)*, Bhubaneswar, 2016, pp. 1-6, doi: 10.1109/NPSC.2016.7858834.
7. G. V. N. Yatendra Babu, N. R. Naguru and V. Sarkar, "Real-time transient instability detection using frequency trend vector in wide area monitoring system," *2016 IEEE 6th International Conference on Power Systems (ICPS)*, New Delhi, 2016, pp. 1-4, doi: 10.1109/ICPES.2016.7584162.
8. N. R. Naguru, G. V. N. Yatendra Babu and V. Sarkar, "A comparative study on LQR and H_∞ control for damping oscillations in power system network considering different operating points," *2014 International Conference on Smart Electric Grid (ISEG)*, Guntur, 2014, pp. 1-6, doi: 10.1109/ISEG.2014.7005614.