

Dr. K. RAMAKRISHNAN

LIST OF PUBLICATIONS

1. K Ramakrishnan, "Stability analysis of damping compensated generator-excitation control system with time-varying delays", International Journal of Systems, Control and Communications, Vol.11, Issue 4, pp. 416-432, 2020
2. K Ramakrishnan, "Delay-dependent stability of pitch control system in a large wind turbine plant", IFAC-PapersOnLine, Vol.53, Issue 1, pp. 344-349, 2020
3. Sundaram Elango, R Subramanian, Venugopal Manikandan, Krishnan Ramakrishnan, "Fuzzy logic-based multi-level shunt active power filter for harmonic reduction", International Journal of Operational Research, Vol.39, Issue 1, pp. 95-115, 2020
4. K. Ramakrishnan and A. Jawahar, "A New Delay-Dependent Stability Criterion for Linear System With Two Time-Invariant Delays," 2019 Sixth Indian Control Conference (ICC), Hyderabad, India, pp. 31-34, 2019.
5. D. Vijeswaran, K. Ramakrishnan, V. Manikandan and T. M. Mohan, "Stability Analysis of Network Controlled Micro-Grid Systems with Communication Delays and Nonlinear Perturbations," 2019 IEEE 1st International Conference on Energy, Systems and Information Processing (ICESIP), Chennai, India, pp. 1-6, 2019.
6. K Ramakrishnan, D Vijeswaran, V Manikandan, "Stability analysis of networked micro-grid load frequency control system", The Journal of Analysis, Vol.27, Issue 2, pp. 567-581, 2019.
7. V Venkatachalam, D Prabhakaran, M Thirumarimurugan, K Ramakrishnan, "LMI based stability analysis of non-linearly perturbed DC motor speed control system with constant and time-varying delays", International Journal of Power Electronics, Vol.10, Issue 1-2, pp. 1-17, 2019.
8. M Venkatesh, S Patra, K Ramakrishnan, G Ray, "An improved stability result for linear time-delay system using a new Lyapunov-Krasovskii functional and extended reciprocally convex inequality", International Journal of Systems Science, Vol.49, Issue 12, pp. 2586-2600, 2019.
9. K. Ramakrishnan and N. Swarnalakshmi, "Impact of Gain and Phase Margins on Stability of Networked Micro-grid Frequency Control System," 2018 4th International Conference on Electrical Energy Systems (ICEES), Chennai, pp. 126-132, 2018.
10. K. Ramakrishnan, "Delay-dependent stability analysis of damping compensated generator-excitation control system," 2017 International Conference on Power and Embedded Drive Control (ICPEDC), Chennai, pp. 410-414, 2017.
11. K. Ramakrishnan, "Delay-dependent Stability of generator-excitation control system using root-locus approach," 2017 Trends in Industrial Measurement and Automation (TIMA), Chennai, pp. 1-6, 2017.
12. A. Deshmukh, K. Ramakrishnan and G. Ray, "Improved convergence of an adaptive identification algorithm for a large sparse system," 2016 9th International Conference on Electrical and Computer Engineering (ICECE), Dhaka, pp. 34-37, 2016.
13. K. Ramakrishnan, "Delay-dependent stability criterion for delayed load frequency control systems," 2016 IEEE Annual India Conference (INDICON), Bangalore, pp. 1-6, 2016.

14. K Ramakrishnan, "Delay-dependent stability of networked generator-excitation control systems: An LMI based approach", IFAC-Papers OnLine, Vol.49, Issue1, pp. 431-436, 2016.
15. K Ramakrishnan, Goshaidas Ray, "Stability criterion for networked control systems with additive time-varying state-delays and bounded nonlinearity", Vol.7, Issue1, pp. 68-82, 2016.
16. K. Ramakrishnan and G. Ray, "Stability Criteria for Nonlinearly Perturbed Load Frequency Systems With Time-Delay," in IEEE Journal on Emerging and Selected Topics in Circuits and Systems, Vol. 5, Issue 3, pp. 383-392, 2015
17. K Ramakrishnan, V Venkatachalam, G Ray, "Improved delay-dependent stability criteria for continuous systems with two additive time-varying delay components", Communications in Nonlinear Science and Numerical Simulation, Vol. 24, Issue1-3, pp.1-3, 2015
18. A Ragavendiran, R Gnanadass, K Ramakrishnan, "A new SPARLS algorithm for tuning power system stabilizer", International Journal of Electrical Power & Energy Systems, Vol. 68, pp. 327-335, 2015
19. K Ramakrishnan, G Ray, "Improved results on delay-dependent stability of LFC systems with multiple time-delays", Journal of Control, Automation and Electrical Systems, Vol. 26, Issue 3, pp.235-240, 2015
20. A Ragavendiran, R Gnanadass, K Ramakrishnan, "Operating Performance of Multi-Band Power System Stabilizer for Pondicherry State Utility System", IUP Journal of Electrical and Electronics Engineering, Vol.8, Issue 2, pp.42-61, 2015.