



Subrat Kumar Pradhan

Assistant Professor (C), Electrical Engineering, IGIT, Sarang, Odisha

Power system control
Time-delay system
Control system

GET MY OWN PROFILE

	All	Since 2017
Citations	36	36
h-index	3	3
i10-index	1	1

TITLE	CITED BY	YEAR
<p>H[∞] Load frequency control design based on delay discretization approach for interconnected power systems with time delay</p> <p>SK Pradhan, DK Das Journal of Modern Power Systems and Clean Energy 9 (6), 1468-1477</p>	14	2020
<p>A robust H[∞] sliding mode control design for wind-integrated interconnected power system with time-delay and actuator saturation</p> <p>SK Pradhan, DK Das Sustainable Energy, Grids and Networks 23, 100370</p>	7	2020
<p>H_∞ H[∞] Performance-Based Sliding Mode Control Approach for Load Frequency Control of Interconnected Power System with Time Delay</p> <p>SK Pradhan, DK Das Arabian Journal for Science and Engineering 46 (2), 1369-1382</p>	5	2021
<p>Internal model control based proportional-integral controller with class topper optimization for power control of molten salt breeder reactor core</p> <p>SK Pradhan, D Acharya, DK Das Annals of Nuclear Energy 165, 108675</p>	3	2022
<p>Development of H_∞ based static state feedback controller for interconnected power system with time-delay using sector bounding actuator saturation approach</p> <p>SK Pradhan, DK Das 2019 International Conference on Electrical, Electronics and Computer ...</p>	2	2019
<p>H_∞ Performance based Robust State Feedback Controller design for Interconnected Power system with Delay</p> <p>SK Pradhan, DK Das 2019 2nd international conference on innovations in electronics, signal ...</p>	2	2019
<p>H_∞ H[∞] Controller Design for Frequency Control of Delayed Power System with Actuator Saturation and Wind Source Integration</p> <p>SK Pradhan, DK Das Arabian Journal for Science and Engineering, 1-19</p>	1	2022
<p>Mitigating inter-area oscillation of an interconnected power system considering time varying delay</p> <p>A Sengupta, SK Pradhan, DK Das 2020 IEEE Applied Signal Processing Conference (ASPCON), 152-157</p>	1	2020
<p>H_∞ performance based state feedback controller design for wind integrated interconnected power system with time-delay</p> <p>A Kumar, SK Pradhan, DK Das 2019 International Conference on Electrical, Electronics and Computer ...</p>	1	2019

TITLE	CITED BY	YEAR
Delay-discretization-based sliding mode H_∞ H_∞ load frequency control scheme considering actuator saturation of wind-integrated power system SK Pradhan, DK Das The Journal of Supercomputing, 1-46		2022
Explicit model predictive controller for power control of molten salt breeder reactor core SK Pradhan, DK Das Nuclear Engineering and Design 384, 111492		2021
Inter-Area Oscillation Damping Considering Time-Varying Communication Delay of Wide-Area Power System SK Pradhan, DK Das 2021 International Symposium of Asian Control Association on Intelligent ...		2021