



Dr. Sudipta Chakraborty, Ph.D.

Name : Sudipta Chakraborty

Designation : Asst. Professor

Department : Department of Electrical and Electronics Engineering

(JOINED THE INSTITUTE IN 2018)

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RESEARCH INTERESTS

- LINEAR CONTROL SYSTEMS
- TIME-DELAY SYSTEMS
- ROBUST CONTROL
- UNDER ACTUATED SYSTEMS

Academic Qualifications

Ph. D. (Electrical Engineering), National Institute of Technology, Rourkela, India

M. Tech (Electrical Engineering), National Institute of Technology, Rourkela, India

B. Tech (Electronics and Instrumentation Engineering) West Bengal University of
Technology, India

Teaching Experience/Industrial Experience/Research Experience

- ✓ Six Years research experience at NIT Rourkela (During M.Tech and Ph.D.)

PUBLICATIONS

JOURNAL & CONFERENCES

- [1]. Sudipta Chakraborty, Sandip Ghosh, and Asim Kumar Naskar. "All-PD control of pure Integrating Plus Time-Delay processes with gain and phase-margin specifications." *ISA transactions* 68 (2017): 203-211 **(SCI Impact Factor 3.37)**.
- [2]. Sudipta Chakraborty, Sandip Ghosh, and Asim Kumar Naskar. "I-PD controller for integrating plus time-delay processes." *IET Control Theory & Applications* 11.17 (2017): 3137-3145. **(SCI Impact Factor 3.29)**.
- [3]. Sudipta Chakraborty, Asim Kumar Naskar, and Sandip Ghosh. "Inverse Plant Model and Frequency Loop Shaping based PID Controller design for Processes with Time-Delay." *International Journal of Automation and Control*. **(Accepted Manuscript, indexed in Scopus and ESCI)**.

ANY OTHER

Book Chapter
Conferences attended