



Dr. Biranchi Narayan Rath, Ph.D.

Name : Biranchi Narayan Rath

Designation : Sr. Assistant Professor

Department : Department of Electronics and Instrumentation
Engineering

(JOINED THE INSTITUTE IN 2009)

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RESEARCH INTERESTS

- ✓ Unmanned Vehicles
- ✓ Control System
- ✓ Process Control
- ✓ Machine learning and its application

Academic Qualifications

Ph. D. (Engg.), NIT Rourkela India.

M. Tech, NIT Rourkela India.

B.Tech. Silicon Institute of Technology Bhubaneswar India.

Specialization: Electronics Engineering.

Teaching Experience/Industrial Experience/Research Experience

- ✓ Dec-2009 to Aug 2012 as Lecturer in Applied Electronics and Instrumentation Department, Silicon Institute of Technology, Bhubaneswar, Orissa, India.
- ✓ June 2014-August 2015 as Assistant Professor in Applied Electronics and Instrumentation Department, Silicon Institute of Technology, Bhubaneswar, Orissa, India.
- ✓ July 2019-July 2020 as Assistant Professor in Applied Electronics and Instrumentation Department, Silicon Institute of Technology, Bhubaneswar, Orissa, India.
- ✓ July 2020-Present as Senior Assistant Professor in Electronics and Instrumentation Department, Silicon Institute of Technology, Bhubaneswar, Orissa, India.

JOURNAL & CONFERENCES**CONFERENCES**

1. B. N. Rath, and B. Subudhi, "A New Backstepping Control Design Method for Autonomous Underwater Vehicle in Diving and Steering Plane," in *IEEE Region 10 Conference (TENCON)*, Penang, Malaysia, 5-8 November 2017, pp. 1984-1987.
2. B. N. Rath, and B. Subudhi, "Adaptive Nonlinear Model Predictive Controller based on Polynomial form NARMAX model for Autonomous Underwater Vehicle", *Proceedings of the 15th IEEE India Council International Conference (INDICON)*, Coimbatore, 16-18 December 2018

BOOK PUBLICATIONS

1. B. N. Rath, and B. Subudhi, "An Extreme Learning based Adaptive Control Design for an Autonomous Underwater Vehicle", *Cognitive Informatics, Computer Modelling and Cognitive Science, Elsevier*.