

Publications based on this work

International Journal

- **Amruta Mujumdar, Bhagyashri Tamhane, Shailaja Kurode, "Observer based Sliding Mode Control for a Class of Non-commensurate Fractional Order Systems", *IEEE/ASME Trans on Mechatronics, Year: 2015, Volume:20, Issue: 5, DOI:10.1109/TMECH.2014.2386914***
- **Amruta Mujumdar, Shailaja Kurode, "Output Feedback Control for a Two Link Flexible Manipulator - A Second Order Sliding Mode Approach", *International Journal of Control*- Paper in communication, first review communicated.**

International Conference

- **Amruta Mujumdar, Bhagyashri Tamhane, Shailaja Kurode, "Fractional Order Sliding mode control for Single Link Flexible Manipulator", *IEEE International Conference on Multi-Conference on Systems and Control (MSC) Aug 2013, Hyderabad, India.***
- **Amruta Mujumdar, Bhagyashri Tamhane, Shailaja Kurode, "Control Of 2LFM Using Higher Order Sliding Modes and Disturbance Estimation", *IFAC Proceedings Volume 47, Issue 1, 2014, Pages 95-102. International Conference on Advances in Control and Optimization of Dynamical Systems (ACODS) Mar 2014, IIT Kanpur, India***
- **Amruta Mujumdar, Shailaja Kurode, "Second Order Sliding Mode Control for Single Link Flexible Manipulator", *IEEE International Conference on Machines and Mechanisms (iNaCoMM) Dec 2013, IIT Roorkee, India.***

- **Amruta Mujumdar, Bhagyashri Tamhane, Shailaja Kurode, "Fractional Order Modeling and Control of a Flexible Manipulator using Sliding Modes"**, *International Conference on American Control Conference (ACC) June 2014, Portland, USA.*

National Journal

- **Amruta Mujumdar, "Fractional Calculus: An Introduction"**, *Army Sapper Magazine, June 2015*

National Conference

- **Amruta Mujumdar, Shailaja Kurode, "Fractional Order PID Controller for Position Control of a DC Motor"**, *National Conference on Advances in electrical engg' July13, Bharati Vidyapeeth College of Engg, Pune, India.*
- **Amruta Mujumdar, Shailaja Kurode, "Application of Advanced Control Techniques in Military Robotics"**, *National Conference on Seminar On Power System And Energy Management, July 2014, College of Military Engg, Pune, India.*