

# Swati Dantu

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↗ Webpage

Google Scholar

## Education

- 2024–Present **České vysoké učení technické v Praze(Czech Technical University in Prague),**  
*PhD with Multi-robot Systems Group in Fakulta elektrotechnická(Faculty of Electrical Engineering).*
- 2020–2023 **International Institute of Information Technology, Hyderabad,**  
*MS by Research in Electronics and Communication Engineering.*
- 2016–2020 **Jawaharlal Nehru Technological University, Hyderabad,**  
*Bachelor of Technology in Electronics and Communication Engineering.*

## Publications

- [6] **Swati Dantu**, Robert Penicka, Martin Saska , *Simultaneous learning of state-to-state minimum-time planning and control*, In International Conference on Informatics in Control, Automation and Robotics, **ICINCO** .
- [5] Rishabh Dev Yadav\*, **Swati Dantu\***, Wei Pan, Sihao Sun, Spandan Roy, and Simone Baldi, *Modular Adaptive Aerial Manipulation under Unknown Dynamic Coupling Forces*, In IEEE/ASME **Transactions on Mechatronics**.
- [4] **Swati Dantu**, Rishabh Dev Yadav, Ananth Rachakonda, Spandan Roy, and Simone Baldi, *Adaptive Tracking and Anti-swing Control of Quadrotors Carrying Suspended Payload under State-dependent Uncertainty*, In IEEE/ASME **Transactions on Mechatronics**.
- [3] **Swati Dantu**, Rishabh Dev Yadav, Ananth Rachakonda, Spandan Roy, and Simone Baldi, *Adaptive Anti-swing Control for Clasping Operations in Quadrotors with Cable-suspended Payload*, In IEEE Conference on Decision and Control, **IEEE CDC** 2023 .
- [2] **Swati Dantu**, Rishabh Dev Yadav, Spandan Roy, Jinoh Lee and Simone Baldi , *Adaptive Artificial Time Delay Control for Quadrotors under State-dependent Uncertainties*, In International Conference on Robotics and Biomimetics **ROBIO** 2022.
- [1] Amisha Bhaskar\*, **Swati Dantu\***, Spandan Roy, Jinoh Lee and Simone Baldi, *Adaptive Artificial Time Delay Control for Bipedal Walking with Robustification to State- dependent Constraint Forces* , In International Conference on Advanced Robotics **ICAR** 2021.

## Experience

- Sept 2023 – Present **Research Fellow**, *Multi Robot Systems Group, Czech Technical University, Prague, Czechia.*
- Summer 2024 and 2025 **Teaching Assistant**, *Cybernetics and Artificial Intelligence.*  
Teaching assistant for a EuroTeQ course at Faculty of Electrical Engineering, CTU
- Dec 2020 – Apr 2023 **Research Assistant**, *Robotics Research Center (RRC) IIITH.*
- May 2022 – Sept 2022 **Student Developer**, *Google Summer of Code, 2022 @ ROBOCOMP*, Extremadura, Spain.
- Jan 2022 – May 2022 **Teaching Assistant**, *Advances in Robotics and Control.*  
Teaching assistant for a graduate level elective at IIITH

## Skills

- Languages Python, C/C++ , MATLAB/Simulink
- Software/Tools Pybullet , ROS/Gazebo, OpenAI gym, PyTorch
- Utilities Anaconda, Git, Jupyter Notebook, Bash, Latex