

Appendix A

List of Publications

A.1 Journal Papers

- Sunidhi Pandey, Parijat Prasun, Shyam Kamal, Devender Singh, Debdas Ghosh, and Sorin Olaru, “Optimal trajectory tracking using Newton and Levenberg-Marquardt-like algorithms for constrained time-varying optimization,” *Optimal Control Applications and Methods*, 2025, doi: <https://doi.org/10.1002/oca.3292>.
- Sunidhi Pandey, Shyam Kamal, Pavel Osinenko, Sergei Parsegov, and Devender Singh, “Finite and fixed-time stabilization of discrete-time systems using passivity-based control,” *International Journal of Robust and Nonlinear Control*, 2024, doi: <https://doi.org/10.1002/rnc.7396>.
- Sunidhi Pandey, Parijat Prasun, Shyam Kamal, Devender Singh, and Thach Ngoc Dinh, “Optimization via Predefined Upper Bound of Settling Time Convergent Projected Gradient Flows,” *International Journal of Systems Science*, 2025. doi:<https://doi.org/10.1080/00207721.2025.2552274>
- Sunidhi Pandey, Shyam Kamal, Devender Singh, and Thach Ngoc Dinh, “Data-Driven Inference of Passivity Properties via Gradient Flows and Finite-Time Stabilization,” *International Journal of Robust and Nonlinear Control*, (Submitted).

A.2 Conference Papers

- **Parijat Prasad**, Sunidhi Pandey, Shyam Kamal, Sandip Ghosh, Devender Singh, and Debdas Ghosh “**Predefined Upper Bound of Settling Time based Convergent Gradient Flow Systems,**” *IECON 2022 – 48th Annual Conference of the IEEE Industrial Electronics Society*, Brussels, Belgium, pp. 1-6, 2022.

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