

Appendix A

List of Publications

A.1 Journal papers

- S. Kumar, S. K. Soni, A. K. Pal, S. Kamal, and X. Xiong, “Nonlinear Polytopic Systems with Predefined Time Convergence,” in *IEEE Transactions on Circuits and Systems II: Express Briefs*, 2021, doi: 10.1109/TCSSII.2021.3125722.
- S. Kumar, A. K. Pal, S. Kamal, and X. Xiong, “Design of switched high-gain observer for nonlinear systems,” *International Journal of Systems Science*, pp. 1–13, 2023, doi.org/10.1080/00207721.2023.2178863
- S. Kumar, A. K. Pal, R. K. Sharma, S. Kamal, and Henry Leung, “Parameter Estimation for a Class of Uncertain Systems: An Adaptive Super-Twisting Approach,” *Asian Journal of Control*, (Revised submitted), 2022.

A.2 Conference papers

- S. Kumar, R. K. Sharma, and S. Kamal, “Adaptive Super-Twisting Guidance Law with Extended State Observer,” *IECON 2021–47th Annual Conference of the IEEE Industrial Electronics Society*, pp. 1–6, 2021, doi: 10.1109/IECON48115.2021.9589142.
- S. Kumar, S. K. Soni, A. Sachan, S. Kamal, and B. Bandyopadhyay, “Adaptive Super-Twisting Guidance Law: An Event-Triggered Approach,” *2022*

16th International Workshop on Variable Structure Systems (VSS),
pp. 190–195, 2022, doi: 10.1109/VSS57184.2022.9901685.

- S. Kumar, R. K. Sharma, and S. Kamal, “Design of Guidance Law with Predefined Upper Bound of Settling Time,” *IFAC-PapersOnLine*, (accepted), 2022.

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