Appendix A

List of Publications

A.1 Journal papers

- **Bhawana Singh**, Anil Kumar Pal, Shyam Kamal, Thach Ngoc Dinh and Frédéric Mazenc, **"Vector Control Lyapunov Function based Stabilization of Nonlinear Systems in Arbitrary Time"**, *IEEE transactions on Automatic Control*, 2021 (Revised and Resubmitted).

- **Bhawana Singh**, Shyam Kamal, Xinghuo Yu, Debdas Ghosh and Sandip Ghosh, **"Controller and Observer design for Chaotic Systems: A Vector Based Contraction Approach"**, *IEEE Transactions on Circuits and Systems II: Express Briefs*, 67(12), pp. 3282-3286, 2020.

- **Bhawana Singh**, Xiaogang Xiong, Thach Ngoc Dinh, Shyam Kamal and Sandip Ghosh **"Interval Observer Design for Nonlinear Systems using Simplified Contraction theory"**, *IET Control Theory and Applications*, 2021.

- **Bhawana Singh**, Xiaogang Xiong, Shyam Kamal, Debdas Ghosh and Sandip Ghosh **"Consensus Problems in Multi-agent Systems: A Vector based Contraction Approach"**, *IET Control Theory and Applications*, 15(17), pp. 2195-2209, 2021.

A.2 Conference paper

- **Bhawana Singh**, Shyam Kamal, Debdas Ghosh, Sandip Ghosh, Antonella Ferrara, Anil Kumar Pal and Jitendra Kumar Goyal, **"Controller and Observer Design using Vector Framework with Simplified Contraction Analysis"**, *In 2020 IEEE International Conference on Industrial Technology (**ICIT**)*, Buenos Aires, Argentina, February 2020, pp. 29-34.

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