

This file has been cleaned of potential threats.

If you confirm that the file is coming from a trusted source, you can send the following SHA-256 hash value to your admin for the original file.

36ad4727010d7aec18d77af771fb78b4da3df3d932908005baea9a70edabd671

To view the reconstructed contents, please SCROLL DOWN to next page.



Ms. K.Sivaranjani
 Department of Mathematics
 Karunya University
 Karunya Nagar
 Coimbatore – 641 114
 Email:sivaranjani@karunya.edu
 Phone: 8870754257

She has submitted her Ph.D thesis in March 2017. she has qualified TNSET in 2016 and GATE exam in 2013.

Personal Information:

Name : K. Sivaranjani
 Designation : Assistant professor
 Department : Mathematics
 Date of Joining : 20.07.2017

Qualification with Specialization:

Degree	Major	Specialization	Year of Passing	College/ University
Ph.D	Mathematics	Differential equations		Bharathiar University, Coimbatore
M.Phil	Mathematics	Differential equations	2013	Bharathiar University, Coimbatore
M.Sc.	Mathematics		2012	Bharathiar University, Coimbatore

Research

Papers in Journals:

1. Sivaranjani, K. and Rakkiyappan, R., Delayed impulsive synchronization of nonlinearly coupled Markovian jumping complex dynamical networks with stochastic perturbations, Nonlinear Dynamics, 88 (2017) 1917-1934.

2. Sivaranjani, K. and Rakkiyappan, R., Synchronization of nonlinear singularly perturbed complex networks with uncertain inner coupling via event triggered control, *Applied Mathematics and Computation*, 311 (2017) 283-299.
3. K. Sivaranjani, R. Rakkiyappan, S.Lakshmanan, C.P. Lim, Robust stochastic sampled-data control for offshore steel jacket platforms with non-linear perturbations, *IMA Journal of Mathematical Control and Information*, 34 (2017) 337-357.
4. R Rakkiyappan, K Maheswari, K Sivaranjani, Non-weighted H_∞ state estimation for discrete-time switched neural networks with persistent dwell time switching regularities based on Finsler's lemma, *Neurocomputing*, 260 (2017) 131–141.
5. R Rakkiyappan, VP Latha, K Sivaranjani, Exponential H_∞ Synchronization of Lur'e Complex Dynamical Networks Using Pinning Sampled-Data Control, *Circuits, Systems, and Signal Processing*, 36 (2017) 3958-3982.
6. Rakkiyappan, R. and Sivaranjani, K., Sampled-data synchronization and state estimation for nonlinear singularly perturbed complex networks with time-delays, *Nonlinear Dynamics*, 84 (2016) 1623-1636.
7. Sivaranjani, K. and Rakkiyappan, R., Pinning sampled-data synchronization of complex dynamical networks with Markovian jumping and mixed delays using multiple integral approach, *Complexity*, 21 (2016) 622-632.
8. K. Sivaranjani, R. Rakkiyappan, S.Lakshmanan, C.P. Lim, Robust non-fragile control for offshore steel jacket platform with nonlinear perturbations, *Nonlinear Dynamics*, 81 (2015) 2043-2057.
9. R. Rakkiyappan, K.. Sivaranjani, G Velmurugan, Comments and further improvements on "Passivity and passification of memristor-based complex-valued recurrent neural networks with interval time-varying delays"[*Neurocomputing* 144 (2014) 391–407], *Neurocomputing* 165 (2015) 433-435.
10. R. Rakkiyappan, K. Sivaranjani, G. Velmurugan, Passivity and Passification of Memristor-Based Recurrent Neural Networks with Interval time-varying delays, *Neurocomputing*, 144 (2014) 391-407.

Conferences:

National Conference/Workshops/FDP/Training:

1. National Conference on “Recent Trends in Theory and Applications of Partial Differential Equations”, Department of Mathematics, Bharathiar University, Coimbatore, India on March 26-27, 2015.
2. “Modelling Week on Industrial Problems”, The Maharaja Sayajirao University of Baroda, Vadodara, India on March 17-21, 2015.
3. National Conference on “Partial Differential Equations and Applications”, Department of Mathematics, Bharathiar University, Coimbatore, India on January 30-31, 2014.
4. National Conference on “Computational Biology”, DRDO-Bharathiar University, Coimbatore, India on February 15-16, 2013.
5. Winter School on “Stochastic Analysis and Control of Fluid Flow”, IISER, Thiruvananthapuram, India on December 03-20, 2012.
6. Special Lecture Series on “Mathematics of Turbulence, Random Waves and Quantum Fields” by Prof. Sivaguru S.Sritharan, NPS, Monterey, California, USA on July 16-27, 2012 at Bharathiar University, Coimbatore, India.
7. “National Program on Differential Equations: Theory, Computation and Applications (NPDE-TCA)”, IIT Delhi, India on May 14 – June 2, 2012.
8. Lecture Series on “Large Deviations Theory” by Prof. Sivaguru S.Sritharan, NPS, Monterey, California, USA, in connection with Control Theory, Fluid Dynamics, Non- linear PDE and Statistics, February 16-22, 2012 at Bharathiar University, Coimbatore, India.