

Profile Page

Research Interests :

Control System, Nonlinear Control, Observer Design, Chaotic Systems, Control of Microgrid

Other Profile Links :

Google Scholar Link :

Vivek Sharma [Click Here](#)

Personal Web Link :

Vidwan [Click Here](#)

Journal Publications :

Year	Journal	Publication
2020	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Pg 1-20, Taylor & Francis	Sanjay Kumar, Tarlochan Kaur, Subho Upadhyay, Vivek Sharma, Deven Vatsal, Optimal sizing of stand alone hybrid renewable energy system with load shifting
2018	Chaos, Solitons & Fractals, vol 115, pp 96-107	Vivek Sharma, Manoj Shukla, B. B. Sharma, Unknown input observer design for a class of fractional order nonlinear systems
2017	Chaos Solitons & Fractals, vol 96, pp 51-58	Vivek Sharma, B.B. Sharma and R. Nath, Nonlinear unknown input sliding mode observer based chaotic system synchronization and message recovery scheme with uncertainty
2017	International Journal of Dynamics and Control, vol 6(3), pp 1111-1125	Vivek Sharma, B.B. Sharma and R. Nath, Unknown Input Reduced Order Observer based Synchronization Framework for Class of Nonlinear Systems
2016	Nonlinear Dynamics, vol 85(1), pp 645-658	Vivek Sharma, V Agrawal, B.B. Sharma, R Nath, Unknown input nonlinear observer design for continuous and discrete time systems with input recovery scheme

Conference Publications :

Year	Conference	Publication
2017	IEEE International Conference on Computer, Communications and Electronics (Comptelix), Manipal University, Jaipur	Vivek Sharma, B B Sharma, R Nath, Digital image chaotic encryption and transmission using UIO
2016	IEEE TENCON 2016 - Technologies for Smart Nation, Singapore	Vivek Sharma, B B Sharma, R Nath, Reduced order unknown input observer for discrete time system
2015	Sixth International Conference on Advances in Computing, Control and Telecommunication Technologies (ACT 2015), Trivandrum	Vivek Sharma, B B Sharma, R Nath, Nonlinear Unknown Input Sliding Mode Observer for Chaotic Synchronization and Message Recovery

Professional Affiliations :

Designation	Organization
Member	IEEE
Life Member	Indian Society for Technical Education

PhD Supervised :

Scholar Name	Research Topic	Status	Year	Co-Supervisor
Nikhil Sukhija	Frequency Control of Microgrid	ongoing	2021	
Deven Vatsal	Fast Frequeny Response in Low Carbon Power System	ongoing	2020	Dr. K. C. Sharma

Admin. Responsiblities :

Position Held	Organization	From	To
Associate Dean (Planning and Development)	NIT Jalandhar	4.02.2021	