Faculty Profile

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Professional Experience:	15
Research Guidance:	2

Publications:

(i) International Journals:

1. S.Singaravelu, S.Seenivasan, “Modelling and Simulation of Monopolar HVDC Transmission System Feeding a Strong AC Network with Firefly Algorithm based Optimal PI Controller”, International Journal of Computer Applications, vol. 102, no. 10, pp. 13-19, 2014.
2. S.Seenivasan, S.Singaravelu, “Firefly Algorithm Based Optimal PI Controller for a Monopolar HVDC Transmission System Feeding a Weak AC Network with Hybrid Reactive Power Compensators”, International Journal of Control Theory and Applications, vol. 7, no. 2, pp.121-133, 2014.
3. S.Seenivasan, S.Singaravelu, “Performance Investigation of a Monopolar HVDC Transmission System Feeding a Weak AC Network”, International Journal of Engineering Inventions, vol. 4, no.5, pp.1-10, 2014.
4. S.Singaravelu, S.Seenivasan, “Simulation Study of a Monopole HVDC Transmission System Feeding a Very Weak AC Network with Firefly Algorithm Based Optimal PI Controller”, International Journal of Innovative Science and Modern Engineering, vol. 2, no. 11, pp.1-9, 2014.
5. S.Seenivasan, S.Singaravelu, “Analysis of a Monopolar HVDC Transmission System Feeding a Very Weak AC Network with Hybrid Reactive Power Compensators and Firefly Algorithm Based Optimal PI Controller”, International Journal of Applied Engineering Research, vol. 9, no. 21, pp. 10841-10855, 2014.
6. S.Seenivasan, S.Singaravelu, “Modelling and Simulation of Multi-terminal HVDC Transmission System Feeding Strong AC Networks with Firefly Algorithm based Optimal PI Controller”, Global Journal of Pure and Applied Mathematics, vol.11, no. 2, pp. 579-590, 2015.
7. S.Singaravelu, S.Seenivasan, “Performance of Hybrid Reactive Power Compensators in a Multi-terminal HVDC Transmission System Feeding Weak AC Networks During Transient Fault Conditions”, International Journal of Advances in Engineering & Technology, vol. 8, no. 2, pp. 104-121, 2015.

8. S.Seenivasan, S.Singaravelu, “Hybrid Reactive Power Compensators and Firefly Algorithm based Optimal PI Controller for a Multi-terminal HVDC Transmission System Feeding Weak AC Networks”, International Journal of Electrical and Computer Engineering, vol. 7, no. 1, pp. 1-22, 2015.

9. S.Seenivasan, S.Singaravelu, “Transient Performance of a Multi-terminal HVDC Transmission System Feeding Very Weak AC Networks”, International Journal of Inventive Engineering and Sciences, vol. 3, no. 8, pp. 12-25, 2015.

10. S.Singaravelu, S.Seenivasan, “Analysis of Multi-terminal HVDC Transmission System Feeding Very Weak AC Networks”, International Journal of Research in Engineering and Technology, vol. 4, no. 7, pp. 26-40, 2015.

11. S.Seenivasan, S.Singaravelu, “Firefly Optimization Algorithm Based Proportional and Integral Controller for a Two-terminal HVDC Link, International Journal of Computational Science and Engineering, vol. 6, no. 1, pp. 1-12, 2016.

12. S.Seenivasan , S.Vadivel, “Step Response of Rectifier DC Current Controller and Inverter DC Current-Voltage Controllers in a Current Source Converter based HVDC Transmission Link Connected to a Strong Inverter Side AC System”, International Journal of Electrical, Electronics and Communication Engineering, Volume 2 Issue 1, 2017, Page 1-10.

13. S.Seenivasan , S.Vadivel, “Steady State Analysis of Current Source Converter HVDC Transmission Link Connected to a Strong Inverter Side AC system with Rectifier DC Current Control and Inverter DC Current-Voltage-Extinction Angle Control”, Journal of Interdisciplinary Cycle Research, Volume IX, Issue XI, November/2017 ISSN NO: 0022-1945 Page No:43-48

14. S.Seenivasan , S.Vadivel, “Steady State Analysis of Current Source Converter HVDC Transmission Link Connected to a Strong Inverter Side AC system with Rectifier DC Current Control and Inverter DC Current-Voltage Control”, Journal of Applied Science and Computations, Volume 4, Issue 2, July/2017, Page No:440-445.

15. S.Seenivasan , S.Vadivel, “Steady State Analysis of Current Source Converter

HVDC Transmission Link Connected to a Strong Inverter Side AC system with Rectifier DC Current Control and Inverter DC Current-Extinction Angle Control", Journal of Applied Science and Computations Volume 5, Issue 3, March /2018, Page No: 581-586.

16. S.Seenivasan, S.Vadivel, "A Mathematical Framework for Modelling of Current Source Converter Based High Voltage DC Transmission Systems", International Journal of Engineering and Advanced Technology (IJEAT), Volume-9 Issue-1, October 2019, Page No.4497-4505.