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### Area of Specialization:

Power System

### Publication:

1. Sattianadan D, LintoThottan, Selvakumar K and **Boopathi C.S.**, “Distributed System Reconfiguration For Energy Losses Reduction With The Consideration of Load Growth, International Journal of Applied Engineering Research, 11(9),pp.6706-6710, 2016.(SNIP: 0.484)
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3. Selvakumar K., Vignesh B., **Boopathi C.S.**,and Kannan T., “Thermal Unit Commitment Strategy Integrated with Solar Energy System” , International Journal of Applied Engineering Research, 11(9),pp.6856-6860, 2016.(SNIP: 0.484)
4. K. Selvakumar, **C. S. Boopathi**, C. Sakthivel and T.Venkatesan., “Design and Implementation of a Converter Model for Hybrid Electric Vehicle Energy Storage System”, International Journal of Control Theory and Applications, 9(14),pp. 6787-6795, 2016.(SNIP: 0.097)
5. K. Selvakumar, **C.S.Boopathi** and M. Sri Harsha., “Voltage Stability Assessment Using Artificial Neural Networks” Indian Journal of Science and Technology, 9(38),pp 1-5,2016.(SNIP: 2.108)
6. K. Selvakumar, **C. S. Boopathi**, T. Venkatesan., “Emission Constraint Profit Based Unit Commitment Problem using Improved Bacterial Foraging Algorithm”, Indian Journal of Science and Technology, 9(42),pp 1-7,2016.(SNIP: 2.108)
7. D. Ragul, K. Selvakumar, **C. S. Boopathi**, K. Raja., “Power Smoothing of Grid Connected Direct- Driven Permanent Magnet Synchronous Generator (PMSG) Wind Turbines”, Indian Journal of Science and Technology, 9(42),pp 1-5,2016.(SNIP: 1.289)

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9. Sreejith. S, V. Indragandhi, K. Chandrasekaran, A. Venkadesan and **C.S. Boopathi.**, “Analysis of PV Based Energy Generation System Using Cascaded Multi-level Z-Source Inverter” International Journal of Control Theory and Applications, 9(37),pp. 837-843, 2016.(SNIP: 0.097)
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11. SelvakumarK ,Vijayakumar K, **C.S.Boopathi.**, “Demand Response Unit Commitment problem solution for maximizingGENCO’s Profit”, Energies, 10(10), 1465; doi:10.3390/en10101465 ; 22 September 2017.(SCI Impact Factor: 2.71)
12. **Boopathi CS.**,Selvakumar K., and AvisekDutta “Enhancing The LVRT Capability and Mitigation of Power Quality Issues Using UPQC of a Grid Connected Wind Conversion System”, Indonesian Journal of Electrical Engineering and Computer Science, 7(3),pp. 643-654,2017.(SNIP: 0.24)
13. SelvakumarK ,Vijayakumar K, **C.S.Boopathi.**, “CSO based solution for load kickback effect in deregulated power system”, Applied Sciences, 7(11), 1127; doi:10.3390/app7111127;1Nov 2017. (SCI Impact Factor: 1.679)
14. Aparna A. Nair, I.S. Amiri, **C.S. Boopathi.**, S. Karthikumar, M. Jayaraju, P. Yupapin, “Numerical investigation of co-doped microstructured fiber with two zero dispersion wavelengths”, Results in Physics(**Elsevier**) ,10, 766-771; **DOI:** doi.org/10.1016/j.rinp.2018.07.032; 31 July 2018. (SCI Impact Factor: 3.04)
15. K.C.Ramya, K.Vinoth Kumar, K.Geetha, **C.S.Boopathi** “Design of D shaped plasmon–photonic crystal fiber for bio sensing application”, Results in Physics (**Elsevier**) , 10, 993-994; **DOI:** doi.org/10.1016/j.rinp.2018.08.020; 14 August 2018.(SCI Impact Factor: 3.04)
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17. **C.S. Boopathi.**, K. Vinoth Kumar, S. Sheebarani, K. Selvakumar, Ahmed NabihZakiRashed and P Yupapin“Design of human blood sensor using symmetric Dual Core PhotonicCrystal Fiber”, Results in Physics (**Elsevier**) , 11, 964-965; **DOI:** doi.org/10.1016/j.rinp.2018.10.065; 05Nov 2018. (SCI Impact Factor: 3)

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21. Sridhar R, Boopathi C.S, Deepanjali Das, Sakshi Agrawal, Hardik Choubisa “An ingenious invasive weed optimization (IWO) aided maximum power tracking for partially shaded photovoltaic array”, Indonesian Journal of Electrical Engineering and Computer Science, 15(2), pp. 543-553, 2019. (SNIP: 0.417)
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24. Ghazanfar Latif, Achyut Shankar, Jaafar M. Alghazo, V. Kalyanasundaram, **Dr. C.S. Boopathi**, M. Arfan Jaffar “I-CARES: Advancing Health Diagnosis and Medication through IoT”, Wireless Networks (**Springer**) DOI: doi.org/10.1007/s11276-019-02165-6, pp. 1-15, 2020. (SCI Impact Factor: 2.41)
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33. Vel Murugan Gomathy, T. V. Paramasivam Sundararajan, **C. Sengodan Boopathi**, Pandiyan Venkatesh Kumar, Krishnamoorthy Vinoth Kumar, Abhay Vidyarthi and Rajagopal Maheswar, "A  $2 \times 20$  Gbps hybrid MDM-OFDM-based high-altitude platform-to-satellite FSO transmission system" Journal of Optical Communications, DOI: doi.org/10.1515/joc-2020-0075, , Pre Press, 2020 (SNIP: 0.545)
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35. Mohanasundaram, T.J. Catherine, P. Anandhraj, **C.S Boopathi**, "Analysis of Dust Particle Charging & Its Collection in a Needle Plate Electrostatic Precipitator" Journal of Green Engineering, 10(9), pp- 6801-6814 Sep 2020 (SNIP: 0.330)

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