

DC Member 3

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Area of specialization

Power Electronics and Electric Drives, Hydropower Plants, Pumped storage plants, marine propulsion systems

Recent Publications of **Dr.Thangaraj**,

1. Rupesh Kumari, K K Prabhakaran, K Desingu, T R Chelliah and S V A Sarma, "Improved Hydro-Turbine Control and Future Prospects of Variable Speed Hydropower Plant," IEEE Trans. Industry Applications (early access).
2. B Anil Kumar, R selvaraj, K desingu, Thanga Raj Chelliah, U S Ramesh, "Coordinated Control Strategy for a Diesel-Electric Tugboat System for Improved Fuel Economy" IEEE Trans. Industry Applications, Vol. 56, No. 5, 2020.
3. C Carunaiselvane, Thanga Raj Chelliah, "Analysis on Thermal Behavior of Large Hydrogenerators Operating with Continuous Overloads" IEEE Trans. Industry Applications, Vol. 56, No. 2, 2020.
4. Karthik Desingu, Raghu Selvaraj, Thanga Raj Chelliah, "Control of Reactive Power for Stabilized Junction Temperature in Power Electronic Devices Serving to a 250 MW Asynchronous Hydro-Generating Unit" IEEE Trans. Industry Applications, Vol. 55, No. 6, 2019
5. R R Semwal, Raghu Selvaraj, Karthik Desingu, Thanga Raj Chelliah, and Anto Joseph "Two Stage Protection for Multi-Channel Power Electronics Converters-Fed Large Asynchronous Generating Unit," IEEE Trans. Industry Applications, Vol. 55, No. 6, 2019.
6. Karthik D., S. Raghu, Thanga Raj Chelliah, D. Khare "Effective Utilization of Parallel Connected Megawatt Three-Level Back-to-Back Power Converters in Variable Speed Pumped Storage Units," IEEE Trans. Industry Applications, Vol. 55, No. 6, 2019.
7. Anto Joseph, S. Raghu, Thanga Raj Chelliah and S V Appa Sarma "Starting and Braking of a Large Variable Speed Hydro-Generating Unit Subjected to Converter and Sensor Faults" IEEE Trans. Industry Applications, Vol. 54, No.4, 2018.