

Publication List

Journal:

- [1] J. K. Kambrath, Y. Wang, Y.-J. Yoon, A. A. Alexander, X. Liu, G. Wilson, et al., "Modelling and Control of Marine Diesel Generator System with Active Protection," in *IEEE Transactions on Transportation Electrification*, vol. 4, no. 1, pp. 249-271, March 2018.
- [2] J. K. Kambrath, C. Yoon, Y. Wang, Y.-J. Yoon, X. Liu, C. J. Gajanayake, and A. K. Gupta., "Mitigation of Resonance Vibration Effects in Marine Propulsion," submitted in *IEEE Transactions on Industrial Electronics*.
- [3] J. K. Kambrath, C. Yoon, Y. Wang, and Y.-J. Yoon., "A novel control technique to reduce the effects of torsional interaction in wind turbine system," submitted in *IEEE Journal of Emerging and Selected Topics in Power Electronics*.

Patent application:

- [1] Jishnu K Kambrath, Xiong Liu, Youyi Wang, & Aaron A Ayu, "Active damping control of torsional vibration" , ATC, ECG, Rolls- Royce PLC.

Conferences:

- [1] J. K. Kambrath, A. A. Ayu, Y. Wang, Y. J. Yoon, X. Liu, C. J. Gajanayake, and A. K. Gupta, "Dynamic study of electromechanical interaction in marine propulsion," in 2016 IEEE Energy Conversion Congress and Exposition (ECCE), Conference Proceedings, pp. 1–8.
- [2] J. K. Kambrath, A. A. Alexander, Y. Wang, Y.-J. Yoon, X. Liu, G. Wilson, *et al.*, "Dynamic analysis of diesel generator set under cylinder deactivation," in *Transportation Electrification Conference and Expo (ITEC), 2017 IEEE*, 2017, pp. 370-375.
- [3] J. K. Kambrath, C. Yoon, Y. Wang, Y. J. Yoon, X. Liu, C. J. Gajanayake, and A. K. Gupta, "Direct drive propeller system modelling and active protection," accepted in 2018 IEEE Energy Conversion Congress and Exposition (ECCE).
- [4] J. K. Kambrath, C. Yoon, Y. Wang, and Y. J. Yoon, "Modelling and control to mitigate dynamic effects of unbalanced masses in wind turbine systems," accepted in 2018 IEEE Energy Conversion Congress and Exposition (ECCE).