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Current Research Interests (English)

AI & ML in Electric power systems, Renewable energy interface, Transmission and protection for low / medium voltage direct current (L / MVDC), Microgrid applications, Hybrid Renewable Energy Systems, and Reliability of Power System.

The Ph.D and list of publications عناوين رسالة الدكتوراه والأبحاث المنشورة

Doctoral Dissertation: Protecting a Low Voltage Direct Current System Using Solid-State Switching Devices for DC Grid Applications

I. Almutairy, “A review of coordination strategies and techniques for overcoming challenges to microgrid protection,” in *2016 Saudi Arabia Smart Grid (SASG)*, 2016, pp. 1–4.

I. Almutairy, “Solid state circuit breaker protection devices for DC microgrid in review,” in *2016 5th International Conference on Electronic Devices, Systems and Applications (ICEDSA)*, 2016, pp. 1–3.

M. Alluhaidan and I. Almutairy, “Modeling and Protection for Low-Voltage DC Microgrids Riding Through Short Circuiting,” *Procedia computer science.* vol. 114, pp. 457–464, 2017.

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I. Almutairy and J. Asumadu, "Examination of breaker-based protection systems for implementation in LVDC SSCB applications," 2018 IEEE 8th Annual Computing and Communication Workshop and Conference (CCWC), Las Vegas, NV, 2018, pp. 509-514.

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