



E-Pico Master's Thesis

Nonlinear control of electrical microgrids

Integrating high shares of variable **Distributed Energy Resources (DER)** and **Energy Storage Systems (ESS)** in power systems is essential for decarbonising the power sector while continuing to meet growing demand for electrical energy. To allow such integration, there is a need for control methods that are multi-level and multi-scale, and that properly take into account the many combinatorial and nonlinear aspects of modern power systems.

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