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                      Optimization Algorithms based Design of Robust Controller for Single
                      Machine and Interconnected Multi-Machine Power System Stabilizer --

Robust Stability Constraints for optimal Lead Lag PSS design using Interval approach -- Fuzzy Logic Control of DC-DC Buck Converter in DC Distribution System with Constant Power Load -- Order Reduction of continuous time linear interval systems using Whale Optimization Algorithm -- Optimized Hybrid Buck DC-DC Converter with QFT Controller -- A novel model reduction approach for linear time-invariant systems via Whale Optimization Algorithm -- A Grid-connected ZVS single phase full bridge inverter with DF THI PWM scheme -- Flywheel Energy Based Energy Power Generator Grid-Connected VSC HVDC Performance under Faults -- Maximum Power Point Tracking Algorithm Based on Particle Swarm Optimization to Capture Maximum Power from PV Strings -- An Effective Controller Design for BLDC Motor Drive with Nature Inspired Heuristic Algorithm -- Development of an Exploratory Blockchain for Enhanced Data Security in Smart Grids.

Sommario/riassunto	This is an open access book. The focus of the conference is to provide a unique platform for exchange of ideas and synergy among researchers, academicians and industrial experts across the globe belonging to emerging electrical engineering domains. It also provides a premier platform for the people to present and discuss the most recent innovations and solutions in solving complex and challenging problems related to intelligent electrical engineering systems. Such a blend of various research-oriented minds will lead to productive results and further advancements in electrical engineering research. The book invites submission of novel, recent area of innovation and previously unpublished research work/idea in the field of modern applications of artificial intelligence techniques to electrical engineering systems. The applications of artificial intelligence related to various fields of electrical engineering are mentioned in the conference tracks. The conference is meant to discuss the challenges and applications of latest evolutionary computing techniques, neural networks, fuzzy logic, machine learning and data analytics in the fields of power systems, power electronics, robotics, automation, instrumentation, control systems, mechatronics and photonics. It provides a platform to the students, researchers, scientists, faculty members, professionals and practitioners to interact, present and get innovative ideas in the field of electrical engineering. As a part of AITEES-2022, many keynote sessions are planned to enhance the research and innovation skills of participants. Eminent professors from academic institutions and world renowned industrial experts from India and abroad will deliver keynote sessions.