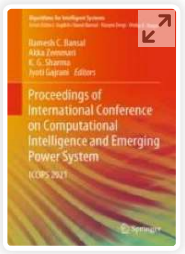

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Multi-machine Power System Stabilizer Design Using Grey Wolf Optimization

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Abstract

This paper presents exploration of a new bio-inspired meta-heuristic technique Grey Wolf Optimization (GWO) for designing of robust and optimal Power System Stabilizer (PSS) parameters of three-machine, nine-bus Western Systems Coordinating Council Power System (WSCCPS), and the performance is noticed by comparing with Harmony Search Optimization (HSO), Particle Swarm Optimization (PSO) and Genetic Algorithm (GA) techniques based