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Nota di contenuto	Hybrid Manta Ray Foraging – Particle Swarm Algorithm for PD Control Optimization of an Inverted Pendulum -- Multi-Objective Particle Swarm Optimization with Alternate Learning Strategies -- Self-Directed Mobile Robot Path Finding in Static Indoor Environment by Explicit Group Modified AOR Iteration -- Position and Swing Angle Control of Nonlinear Gantry Crane System.

This book presents part of the iM3F 2020 proceedings from the Mechatronics track. It highlights key challenges and recent trends in mechatronics engineering and technology that are non-trivial in the age of Industry 4.0. It discusses traditional as well as modern solutions that are employed in the multitude spectra of mechatronics-based applications. The readers are expected to gain an insightful view on the current trends, issues, mitigating factors as well as solutions from this book.
