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Nota di contenuto	-- 1 An Exoskeleton Electrical System With Multi-Protection. -- 2 Moment observability for linear stochastic impulsive systems with Markovian switching. -- 3 A SMOTE-Tomek-based Parameter Identification and Behavior Estimation Method for IPMSM in Aerial Applications. -- 4 Adaptive Output Feedback Containment Control for Stochastic Multi-agent Systems with Input Saturation. -- 5 Discrete-Time Command Filtered Consensus Control for Multiple Vehicle Systems. -- 6 DMANet: A Medical Ultrasound Image Segmentation Network Based on Dual-Stream Multidimensional Attention. -- 7 Image Semantic Feature Multiple Interactive Network for Remote Sensing Image Captioning. -- 8 OSSSN: An off-road sence semantic segmentation network based on hierarchical Transformer, etc.

Sommario/riassunto

This book constitutes the proceedings of the 20th Chinese Intelligent Systems Conference, CISC 2024, which was held on October 26–27, 2024, in Guilin, Guangxi, China. The book focuses on new theoretical results and techniques in the field of intelligent systems and control. This is achieved by providing in-depth studies of a number of important topics such as multi-agent systems, complex networks, intelligent robots, complex systems theory and swarm behaviour, event-driven and data-driven control, robust and adaptive control, big data and brain science, process control, intelligent sensors and detection technology, deep learning and learning control, navigation and control of flying vehicles, and so on. The book is particularly suitable for readers interested in learning intelligent systems and control and artificial intelligence. The book can benefit researchers, engineers and graduate students.
