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| Soggetti | Computer simulation Computer networks Computer systems Application software Robotics Computer Modelling Computer Communication Networks Computer System Implementation Computer and Information Systems Applications |
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| Nota di contenuto | -- M&S of Intelligent Systems - R&D and Application. -- The Requirements of Commanders on Ground Control Station of Heterogenous Swarm Robotic Systems. -- Computer-Generated-Forces Team-Behavior of Air-Defense-Systems: Concept and First Implementations. -- A simulated study on Thermal camera and FMCW |

radar sensor fusion for UAV sense and avoid in the context of the AAM. -- Advancing Steering Control: A Novel Architecture for Redundant Wheel Configuration. -- Visual Mission Scripting for Multi-Agent-Based Simulation of Autonomous Platforms. -- Multi-domain Model of UxS Cooperation for Effective Monitoring and Surveillance in the UNFICYP Peacekeeping Mission. -- Terrain Anomaly Detection Capabilities Using a Small Autonomous Robotic Vehicle. -- Robotics for Engineer Operations. -- Terrain Modeling in 3D Mapping for Autonomous Navigation in Multi-layered Environments. -- On Autonomous Ground Vehicle Navigation in Leader-Follower Off-road Environments. -- Merging Domains and Dimensions within an Innovative Common Simulation of Autonomous Behaviors during Operations. -- Future Challenges of Advanced M&S Technology. -- Sensor Performance Models for Cooperative Airborne Sensor Deployment. -- Exploring Multi-Attribute Decision Making For Collaborative First-Aid Drone Deliveries. -- Development Challenges of Unmanned Ground Vehicles for special purpose use. -- AxS/AI in Context of Future Warfare and Security Environment. -- Big Data and Machine Learning Techniques to Parametrize Strategic Shocks for Resilience Measurement. -- Do androids dream of electric sheep?"- aka The potentials and threats of applying artificial intelligence, automation processes and telemetry in medicine - experiments in live exercises.

Sommario/riassunto

This book constitutes the proceedings of the 11th International Conference on Modelling and Simulation for Autonomous Systems, MESAS 2024, which took place in Chania, Crete, Greece, during October 1–3, 2024. The 16 full papers included in this book were carefully reviewed and selected from 23 submissions. They were organized in topical sections as follows: M&S of Intelligent Systems - R&D and Application; Future Challenges of Advanced M&S Technology; and AxS/AI in Context of Future Warfare and Security Environment.
