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Nota di contenuto	Chapter 1. Cybersecurity Vulnerabilities in Colombia's Maritime Critical Infrastructure (MCI) -- Chapter 2. Cyberspace and innocent passage: regulations for the security of the coastal state -- Chapter 3. Security versus usability in e-government: insights from the literature -- Chapter 4. Ackermann UGV with 2D mapping for unknown environments -- Chapter 5. Visual-based real time detection using neural networks and Micro-UAVs for military operations -- Chapter 6. Visual and inertial data based virtual localization for urban combat -- Chapter 7. Kinect and manipulator-based sample collection system for military robot -- Chapter 8. Autonomous Navigation based on proportional controller with GPS setpoint for UAV in external environments -- Chapter 9. Monte Carlo based localization for kidnapped robot problem -- Chapter 10. The automatic people counting in crowded scenes with drones applied to the parades that took place on October 20, 2019 in Ecuador.

Sommario/riassunto

This book gathers the proceedings of the Multidisciplinary International Conference of Research Applied to Defense and Security (MICRADS), held at the Eloy Alfaro Military Academy (ESMIL), in Quito, Ecuador, during 13 – 15 May 2020. It covers a variety of topics in systems, communication and defense; strategy and political-administrative vision in defense; and engineering and technologies applied to defense. Given its scope, it offers a valuable resource for practitioners, researchers, and students alike.
