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Altri autori (Persone)	LefebvreEric <1968->
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Nota di contenuto	Title page; Preface; Contents; Sensor Data Fusion: Methods, Applications, Examples; Simulation of Distributed Sensor Networks; Joint Target Tracking and Classification via Sequential Monte Carlo Filtering; A Survey on Assignment Techniques; Non-Linear Techniques in Target Tracking; Underwater Threat Source Localization: Processing Sensor Network TDOAs with a Terascale Optical Core Device; On Quality of Information in Multi-Source Fusion Environments; Polarimetric Features and Contextual Information Fusion for Automatic Target Detection and Recognition Enhancing Efficiency of Dynamic Threat Analysis for Combating and Competing SystemsEvidence Theory for Robust Ship Identification in

Airborne Maritime Surveillance Missions; Improved Threat Evaluation Using Time of Earliest Weapon Release; Detection of Structural Changes in a Multivariate Data Using Change-Point Models; Unification of Fusion Theories (UFT); Belief Functions Theory for Multisensor Data Fusion; Dempster-Shafer Evidence Theory Through the Years: Limitations, Practical Examples, Variants Under Conflict and a New Adaptive Combination Rule
Decision Support and Information Fusion in the Context of Command and ControlFusion in European SMART Project on Space and Airborne Mined Area Reduction; The DSmT Approach for Information Fusion and Some Open Problems; Multitarget Tracking Applications of Dezert-Smarandache Theory; Image Registration: A Tutorial; Automated Registration for Fusion of Multiple Image Frames to Assist Improved Surveillance and Threat Assessment; Data Fusion and Image Processing: A Few Application Examples; Secondary Application Wireless Technologies to Increase Information Potential for Defence Against Terrorism
Adaptive Image Fusion Using Wavelets: Algorithms and System DesignMethods for Fused Image Analysis and Assessment; Object Tracking by Particle Filtering Techniques in Video Sequences; Wavelets, Segmentation, Pixel- and Region- Based Image Fusion; Data Fusion and Quality Assessment of Fusion Products: Methods and Examples; Information Management Methods in Sensor Networks; A Novel Method for Correction of Distortions and Improvement of Information Content in Satellite-Acquired Multispectral Images; Multisensor Data Fusion in the Processes of Weighing and Classification of the Moving Vehicles Sensor Performance Estimation for Multi-Camera Ambient Security Systems: A ReviewPrinciples and Methods of Situation Assessment; Higher Level Fusion for Catastrophic Events; Ontology-Driven Knowledge Integration from Heterogeneous Sources for Operational Decision Making Support; Evaluation of Information Fusion Techniques Part 1 - System Level Assessment; Evaluation of Information Fusion Techniques Part 2 - Metrics; Rapid and Reliable Content Based Image Retrieval; Subject Index; Author Index

Sommario/riassunto

Information fusion resulting from multi-source processing is a relatively young technology domain. This book deals with the following research areas: Target recognition/classification and tracking; Sensor systems; Image processing; Remote sensing and remote control; Belief functions theory; and Situation assessment.