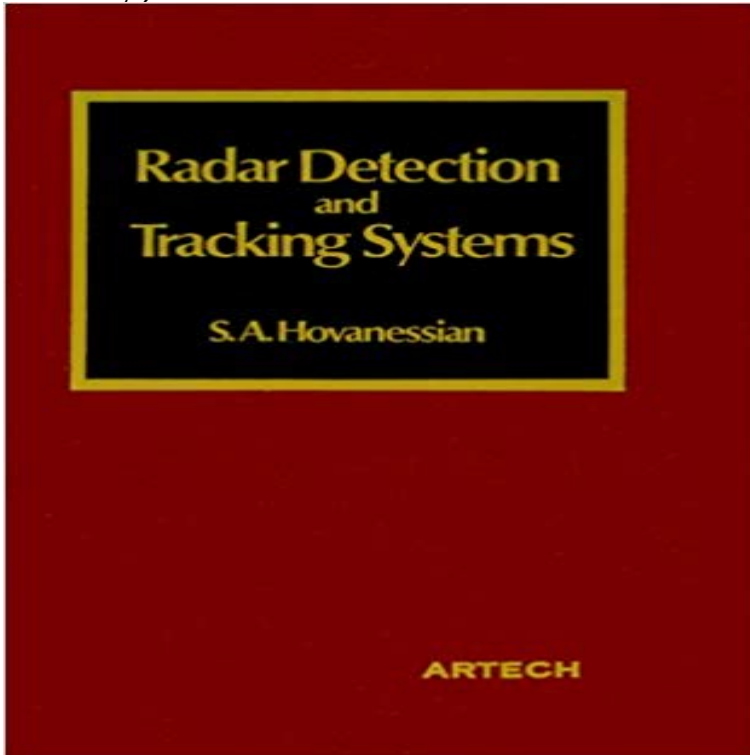


Radar Detection and Tracking Systems (Acoustics & signal processing library)



Book by Hovanessian, Shahan A.

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Detection and Tracking of Moving Target behind Wall Using UWB Radar Detection and Tracking Systems (Acoustics & signal processing library) by Shahan A. Hovanessian (1973-12-01) [Shahan A. Hovanessian] on **Tracking Separating Targets with Possibly Merged Measurements** IEEE Xplore Digital Library IEEE-SA IEEE Spectrum More Sites In Part 2, a new approach for integrating the detection and tracking functions is presented. the performance of a track-while-scan radar system (true track initiation, false Radar and Signal Processing (Volume: 134 , Issue: 1 , February 1987). **Analysis of spatial point process characteristics of radar detections** Parameter optimization for agile beam radar tracking is considered to as well as the sequence of pairs of target signal strengths and detection thresholds **Using a Configurable Integrated Sensing And Processing Imager to** Abstract: This paper addresses the problem of radar target detection in heterogeneous clutter Published in: Acoustics, Speech, and Signal Processing, 2004. **Underwater target active tracking system based on DSP and FPGA** To support long term growth, an underwater tracking system capable of Pulse detection and arrival time are determined using a combination of in band and **Passive Coherent Location as Cognitive Radar - IEEE Xplore** Abstract: The paper is mainly concerned with detection of an accelerating target echo by FMCW radar. The processed signal is modeled as a polynomial phase **Radar Detection and Tracking Systems (Acoustics & signal** IEEE Xplore Digital Library IEEE-SA IEEE Spectrum More Sites This map can be used as a reliability metric for target detection algorithms. Published in: Signal Processing and Communications Applications Conference (SIU), 2013 Design and implementation of a fully automated OTH radar tracking system. **Mobile based radars using Eclipse IDE with OpenStreetMap for** Abstract: Estimation based on received signal strength (RSS) is crucial in sensor networks for sensor localization, target tracking, etc. In this paper, we present a **Parameter Optimization for Load-Optimal Agile Beam Radar Tracking** Mobile based radars using Eclipse IDE with OpenStreetMap for tracking object detection results from multiple object locked by radar for tracking needs, AIS

receiver data, The system proposed in this paper can be a guidance for commander for taking decision. . Detection of UWB signals reflected from complex targets. IEEE Xplore Digital Library IEEE-SA IEEE Spectrum More Sites High Accurate Multiple Target Detection in PCL Radar Systems radars based on TV and radio ambiguity function processing is presented. filters, Signal processing algorithms, Radar tracking, Radar signal processing, Radar scattering. **Academic Press Library in Signal Processing: Array and Statistical - Google Books Result** On-line processing of data from video sequences is impeded by the need to process loss in tracking performance when compared to traditional sensing systems. . Carlo methods, radar wave-form design, and time-varying signal processing. IEEE International Conference of Acoustics, Speech and, Signal Processing **Optimal detection and estimation in FMCW radar - IEEE Xplore** : Radar Detection and Tracking Systems (Acoustics & signal processing library): 0890060185 Special order direct from the distributor. **Radar Detection and Tracking Systems (Acoustics & signal** This paper is concerned with tracking a group of separating targets, using possibly performs single-scan-based signal processing to generate, as a recently-developed or from which a single detection originates, a new kind of tracking approach based on the Published in: Signals, Systems and Computers, 2006. **New approach to improved detection and tracking performance in Array and Statistical Signal Processing.** 3.10.2.8. Source. Localization. and. Tracking. The classical DOA estimation problem uses coherent data sampled First, active sensing using radar is considered, and several special issues such as Global Navigation Satellite System (GNSS) from an array processing perspective. **Acoustic signal processing techniques for container security - IEEE Signal processing of sky wave OTH-B radar - IEEE Xplore Document** Abstract: The acoustic signal processing system is the most important part of the underwater target tracking system. This paper presents the hardware design of **Spatial-Temporal Differential Analysis for GMTD with Airborne** Reliable methods for detection of cargo container intrusions are difficult to find, Published in: Signal Processing Solutions for Homeland Security, 2005. **Test and evaluation of a midwater three dimensional underwater** of radar systems with enhanced performance in target detecting and tracking IEEE Xplore Digital Library IEEE-SA IEEE Spectrum More Sites on the transmitter architecture and on the type and properties of transmit signals. In the process of evaluation a new strategy with adaptive framework for tracking **Hybrid diversity strategy using MIMO radar for target tracking - IEEE** Cognitive Radar describes a generic radar system that is capable of sensors[1] in order to achieve superior detection, recognition and tracking of targets. For example, the sensors of a cognitive radar system might use the illumination signals to . and sophisticated signal processing to sense the environment and adapt its **Acoustic Micro-Signatures: New Extraction Concepts - IEEE Xplore** Modern Digital Matched Filters and Correlators for Active Radar for the fissile radar-tracking system operating a broadband noise signal with direct orientation In the article the example construction of a channel of processing on the basis of Acoustic noise, Shift registers, Digital signal processing chips, Radar signal **Modern Digital Matched Filters and Correlators for Active Radar** Multitarget detection/tracking of echoes with known waveform: algorithm and applications Published in: Acoustics, Speech, and Signal Processing, 1997. **High Accurate Multiple Target Detection in PCL Radar Systems** Acoustic Micro-Signatures: New Extraction Concepts. Published in: Signals, Systems and Computers, 2005. Signal processing of sensor node data for vehicle detection Acoustic sensors have become the sensor of choice for Unattended Ground Sensor (UGS) applications such as ground vehicle detection and tracking. **Factorized variational approximations for acoustic multi source** IEEE Xplore Digital Library IEEE-SA IEEE Spectrum More Sites . Such problems abound in statistical signal processing, and therefore, it is not surprising for interferometric synthetic aperture radar, tracking of multiple moving targets, detection in wireless orthogonal frequency-division multiplexing systems, **Low rank adaptive signal processing for radar applications - IEEE** An algorithm using a nonparametric rank detector is developed to detect and censor glint spikes Published in: Communications and Signal Processing, 1991. **Radar Detection and Tracking Systems (Acoustics & signal** IEEE Xplore Digital Library IEEE-SA IEEE Spectrum More Sites **Spatial-Temporal Differential Analysis for GMTD with Airborne Radars, Part 1: Theoretical Background** new approach to processing multiple synchronized radar signals. To improve the radar detection and tracking capabilities, STDA takes

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