A Novel Radar Signal Recognition Method Based On Deep Learning

[MOBI] A Novel Radar Signal Recognition Method Based On Deep Learning

Right here, we have countless book **A Novel Radar Signal Recognition Method Based On Deep Learning** and collections to check out. We additionally meet the expense of variant types and in addition to type of the books to browse. The adequate book, fiction, history, novel, scientific research, as without difficulty as various further sorts of books are readily user-friendly here.

As this A Novel Radar Signal Recognition Method Based On Deep Learning, it ends up innate one of the favored books A Novel Radar Signal Recognition Method Based On Deep Learning collections that we have. This is why you remain in the best website to see the incredible ebook to have.

A Novel Radar Signal Recognition

A Novel Radar Signal Recognition Method based on Deep ...
A Novel Radar Signal Recognition Method based on Deep Learning Dongqing Zhou, Xing Wang, Yuanrong Tian, Ruijia Wang Aeronautics and Astronautics Engineering College, Air Force Engineering University, Shannxi Xi'an, 710038 Abstract: Radar signal recognition is of great importance in the field of electronic intelligence reconnaissance
A Novel Method for Recognition of Modulation Code of LPI ...
A Novel Method for Recognition of Modulation Code of LPI Radar Signals L Anjaneyulu1, NSMurthy2, NVSNSarma3 1,3Department of ECE, National Institute of Technology, Warangal, AP, India E-mail: anjanlokam@gmailcom 2School of Computer and Communication Engineering, Universiti Malaysia Perlis, Perlis, Malaysia
1, 2,† 3,†
challenge for radar emitter signal recognition To address this challenge, multi-component radar emitter recognition under a complicated noise environment is studied in this paper A novel radar emitter recognition approach based on the three-dimensional distribution feature and transfer learning is …
A Multiple Radar Approach for Automatic Target Recognition ...
military vehicles, but because radar images often do not present a clear image of what they detect, it is considered a challenging process to do this Here we present a novel approach to fully automate a system with Convolutional Neural Networks (CNNs) that results in better target recognition and requires less training time
Multi-Mode Radar Target Detection and Recognition Using ...

moving towards the radar, then the signal is compressed and the frequency is shifted up If the target is moving away from the radar, then the frequency is shifted down A typical signal for this mode is a series of pulses as the)) (10) Multi-Mode Radar Target Detection and Recognition Using Neural Networks

124 IEEE JOURNAL OF SELECTED TOPICS IN SIGNAL ...

124 IEEE JOURNAL OF SELECTED TOPICS IN SIGNAL PROCESSING, VOL 1, NO 1, JUNE 2007 Automatic Radar Waveform Recognition Jarmo Lundén, Student Member, IEEE, and Visa Koivunen, Senior Member, IEEE Abstract—In this paper, a system …

Short-Range FMCW Monopulse Radar for Hand-Gesture Sensing

Short-Range FMCW Monopulse Radar for Hand-Gesture Sensing Pavlo Molchanov, Shalini Gupta, Kihwan Kim, and Kari Pulli NVIDIA Research, Santa Clara, California, USA Abstract—Intelligent driver assistance systems have become important in the automotive industry One key element of such systems is a smart user interface that tracks and recognizes

Multi-sensor System for Driver's Hand-Gesture Recognition

Multi-sensor System for Driver's Hand-Gesture Recognition Pavlo Molchanov, Shalini Gupta, Kihwan Kim, and Kari Pulli NVIDIA Research, Santa Clara, California, USA Abstract—We propose a novel multi-sensor system for ac-curate and power-efficient dynamic car-driver hand-gesture recognition, using a short-range radar, a color camera, and a

Pedestrian recognition using automotive radar sensors

are necessary to improve pedestrian recognition systems 45 A radar based pedestrian recognition system consists of two main components, a radar sensor and a signal processing unit, ie radar raw data preprocessing combined with a clas-sication algorithm In this paper, a radar signal processing

Emotion Recognition using Wireless Signals

Emotion Recognition using Wireless Signals Mingmin Zhao, Fadel Adib, Dina Katabi Massachusetts Institute of Technology {mingmin, fadel, dk}@mitedu ABSTRACT This paper demonstrates a new technology that can infer a person's emotions from RF signals reflected off his body EQ-Radio transmits an RF signal and analyzes its reflections

Micro Hand Gesture Recognition System Using Ultrasonic ...

Y Sang et al: Micro Hand Gesture Recognition System Using Ultrasonic Active Sensing at a much slower speed than light and radar signal pro-cessing to design our system HUG Choosing ultrasound waves, we obtain a millimeter-level range and centimeter-

RADAR TARGET RECOGNITION BASED ON PARAMETERIZED ...

PARAMETERIZED HIGH RESOLUTION RANGE PROFILES XUEJUN LIAO and ZHENG BAO Key Lab For Radar Signal Processing Xidian University, Xi'an 710071, P R China E-mail : xjliao@rspxidianeducn A new scheme of radar target recognition based on parameterized high resolution range pro les (PHRRP) is presented in this paper A novel criterion called

An International Journal SIGNAL PROCESSING

SIGNAL PROCESSING An International Journal AUTHOR INFORMATION PACK TABLE OF CONTENTS XXX • Description • Audience • Impact Factor • Abstracting and Indexing • Editorial Board • Guide for Authors p1 p2 p2 p2 p2 p4 ISSN: 0165-1684 DESCRIPTION A publication of the European Association for Signal Processing (EURASIP)

Signal Separation Of Helicopter Radar Returns Using ...

Signal Separation Of Helicopter Radar Returns Using Wavelet-Based Sparse Signal Optimisation Executive Summary The radar return from a

helicopter target in ight is a complex multi-component signal com-prising of returns from the main body, the main and tail rotor hubs and blades Temporal and

International Journal of Distributed Harmonic clutter ...

the radar signal under various road conditions We propose a novel method to recognize harmonic clutters based on the harmonic characteristics of periodic structures Radar model In this study, we employed a 77-GHz forward looking radar of Mando Corporation using FMCW modula-tion If the transmitted signal of the FMCW radar is

Understanding and Modeling of WiFi Signal Based Human ...

Understanding and Modeling of WiFi Signal Based Human Activity Recognition Wei Wangy Alex X Liuyz Muhammad Shahzadz Kang Lingy Sanglu Luy yState Key Laboratory for Novel Software Technology, Nanjing University, China zDept of Computer Science and Engineering, Michigan State University, USA ww@njueducn, {alexliu,shahzadm}@csemsuedu, lingkang@smailnjueducn, sanglu@njueducn

Radar Shadow and Superresolution Features for Automatic ...

their radar signatures is an important and difficult problem that has attracted considerable research effort Algorithms for target recognition from high range resolution (HRR) radar signals generally use as their primary input either a synthetic aperture radar (SAR) image or else a sequence of one or more one-dimensional HRR range profiles

Microphone Array Processing for Distant Speech Recognition ...

Microphone Array Processing for Distant Speech Recognition: Towards Real-World Deployment tunate because improvements obtained with novel speech en- wave propagation assumes that a signal f(t) at time t, carried on a plane wave, reaches all sensors in an array, but not at the

SINR- and MI-Based Maximin Robust Waveform Design

in Leshem et al’s study on the basis of a single target [13] Radar target recognition, also known as radar signal recognition, has been widely considered [14–17], and it has been found that the target recognition ability of the radar system can be effectively improved by maximizing MI Therefore,

Detection of Accelrating Targets in Clutter using a De ...

radar imaging, automatic target recognition, radar electronic protection, and various topics in signal processing Mr Rocco Melino National Security and ISR Division Rocco Melino received a Bachelor Degree in Electronic Engi-neering from the University of South Australia in 1999 and has a Masters Degree in Signal and Information Processing