
Image Processing Techniques Landmine Alaa Sheta

sensors for landmine detection and techniques: a review - signal and image processing techniques such as feature extraction by texture mapping or by analyzing spatial conductivity distribution over the surface of interest. processing techniques are developed in a way to enhance detection probability and to reduce false alarm rate. 1. introduction in warfare most of causalities are done by buried landmines. the unexploded landmines take several lives ... **identification of landmines in thermal infrared images** - hand will be the medium on which the image processing techniques will be tested and on the other hand, it is possible to perform an analysis of the factors which **ultra-wideband 3d image processing for improving landmine ...** - ultra-wideband 3d image processing for improving landmine detection with gpr in fig. 2 it is seen that for depth slices with a low amount of clutter the threshold value will be lower than for depth **a generic framework for landmine detection using ...** - buried targets by adopting high efficiency and better reliability image processing techniques for landmine detection. results on diverse landmine data, collected using ir sensors show that the adopted method can **remote control and monitoring of landmines detection ...** - 5. data (signal/image) processing techniques and algorithms; 6. data transmission techniques; 7. demining techniques; 8. performance of landmine detection. this paper focuses on proposed solution of the carrying vehicle and data transmission for visualization and monitoring of data in order to improve detection process. fig.1. architecture of remote labs for different purposes. fig.2. circuits ... **landmine detection technology research in the netherlands** - landmine detection technology research in the netherlands h.m.a. schleijpen programme manager demining research tno-physics and electronics laboratory p.o. box 96864, 2509 jg the hague, the netherlands schleijpen @felo abstract this paper gives an overview of the activities on research and development in the technology area for landmine detection in the netherlands. the main players ... **a novel landmine detection process using kl transform and ...** - a novel landmine detection process using kl transform and marker based watershed segmentation in ir images a.o. ajlouni department of computer information systems, **real time gpr data processing for landmines detection: a ...** - all the techniques considered in this paper have a real time approach to the problem of landmine detection. the least the least squares approach considers the a- scan and hence the technique handles the signals than the image which provides **landmine detection from gpr data using convolutional ...** - techniques category, but reverses the typical used paradigm. indeed, we make use of a data-driven methodology that learns features characterizing buried targets directly from **mine detection techniques using multiple sensors** - high-level signal processing, especially image processing techniques to visualize and recognize mine targets. the content is divided into five parts; filtering, feature extraction, gray-scale morphology application, contrast **the simca algorithm for processing ground penetrating ...** - • computer image processing techniques on gpr data can be used to detect the location of landmines. • gpr images are typically hard to interpret being full of artifacts produced by the imaging modality. • gpr images contain artifacts because of interference caused by interactions between the ground and the antenna, soil reflections, major antenna effects from the gpr signal and clutter ... **using image processing methods to improve the detection of ...** - abstract using image processing methods to improve the detection of buried explosive threats in gpr data by rayn sakaguchi department of electrical and computer ... **r. joe stanley Æ the impact of false alarm mitigation on ...** - the impact of false alarm mitigation on surface landmine detection in mwir imagery received: 29 january 2003/ accepted: 3 november 2003/published online: 18 february 2004 springer-verlag london limited 2004 abstract surface landmine and minefield detection from airborne imagery is a difficult problem. as part of the minefield detection process, anomaly detection is performed to identify ... **international journal of geology issue 4, volume 4, 2010 ...** - an efficient detection and classification method for landmine types based on ir images using neural network a. mahmoud and h. farouk ... indicate metal detectors are subject to many false image processing-based. high labor cost and the slow pace involved are encouraging development of other techniques. although some military demining equipment has been developed and used during the gulf war by ... **tno report development of camera system for landmine ...** - different camera recording and image processing techniques for landmine detection. the techniques studied are the processing of monochrome and colour visible-light images and the use of polarisation with these modalities. the investigation is directed towards the deployment of a camera system that will be used on a mechanical area-reduction system. section 1.2 describes the current procedure ...

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