1. Record Nr. UNISA996201417103316

Autore	Cohen Charles J
Titolo	30th Applied Imagery Pattern Recognition Workshop (AIPR 2001): Analysis and Understanding of Time Varying Imagery: Proceedings, 10-12 October 2001, Washington, DC
Pubbl/distr/stampa	[Place of publication not identified], : I E E E Imprint, 2001
Descrizione fisica	1 online resource (x, 201 pages) : illustrations
Disciplina	621.367
Soggetti	Image processing - Digital techniques
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	The surgical CAD/CAM paradigm and an implementation for robotically-assisted percutaneous local therapy -- Analysis of time-varying images using 3D vascular models -- The evaluation of computer-aided diagnosis systems: an FDA perspective -- Image fusion or 4D cardiac CTA and MR images -- Mixture of principal axes registration for change analysis in computer-aided diagnosis -- Directional edge registration for temporal chest image subtraction -- Evaluating the benefits of assisted target recognition -- An ATR system using an integer based correlation algorithm in a time varying environment -- Suitability of synthetic imagery for ATR evaluation -- Evaluation of ATR algorithms employing motion imagery -- Graph-based matching of occluded hand gestures -- A basic hand gesture control system for PC applications -- A conversational paradigm for multimodal human interaction -- PUPILS-enabling a dialogue between the machine and the brain -- Towards robust face recognition from video -- Multi-modal fusion for video understanding -- Distributed multiuser visualization of time varying anatomical data -- A multiple perspective spectral approach to object detection -- Scene and content analysis from multiple video streams -- A multiresolution approach for video texture registration -- Using video for recovering texture -- A realtime object tracking system using a color camera -- Experiments in estimation of independent 3D motion using EM -- Model-based face tracking for dense motion field estimation -- Using histograms to

detect and track objects in color video -- Channel-optimized video coding for low-power wireless applications -- High storage capacity architecture for pattern recognition using an array of Hopfield neural networks -- A qualitative image reconstruction from an axial image sequence -- A recursive Otsu-Iris filter technique for high-speed detection of lumen region from endoscopic images -- Face detection and eye location using a modified ALISA texture module -- An adaptive technique for the extraction of object region and boundary from images with complex environment -- Author index.

Sommario/riassunto

Thirty-one papers from an October 2001 conference held in Washington, DC, focus on techniques and algorithms for dealing with time-varying imagery: that is, extracting information from sequences of images or video for use in recognition, identification, and control. Conference participants represented academia, industry, and government; topics included applications in medicine, assisted target recognition, and human- computer interaction as well as video extraction and tracking. c. Book News Inc.