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ISBN	3-540-75690-6
Edizione	[1st ed. 2007.]
Descrizione fisica	1 online resource (X, 304 p.)
Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics, , 3004-9954 ; ; 4778
Disciplina	006.42
Soggetti	Pattern recognition systems Computer vision Artificial intelligence Computer graphics Algorithms Automated Pattern Recognition Computer Vision Artificial Intelligence Computer Graphics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Oral - I -- Learning Personal Specific Facial Dynamics for Face Recognition from Videos -- A New Probabilistic Model for Recognizing Signs with Systematic Modulations -- Model-Based Stereo with Occlusions -- View Invariant Head Recognition by Hybrid PCA Based Reconstruction -- Poster - I -- Person-Independent Monocular Tracking of Face and Facial Actions with Multilinear Models -- Automatic Facial Expression Recognition Using Boosted Discriminatory Classifiers -- Generating Body Surface Deformation Using Level Set Method -- Patch-Based Pose Inference with a Mixture of Density Estimators -- Integrating Multiple Visual Cues for Robust Real-Time 3D Face Tracking -- Model-Assisted 3D Face Reconstruction from Video

-- Human Perambulation as a Self Calibrating Biometric -- Oral - II --  
Detecting, Localizing and Classifying Visual Traits from Arbitrary  
Viewpoints Using Probabilistic Local Feature Modeling -- Enhanced  
Local Texture Feature Sets for Face Recognition Under Difficult Lighting  
Conditions -- Structured Ordinal Features for Appearance-Based  
Object Representation -- SODA-Boosting and Its Application to Gender  
Recognition -- Poster - II -- Single Image Subspace for Face  
Recognition -- Human Face Processing with 1.5D Models -- Fusing  
Gabor and LBP Feature Sets for Kernel-Based Face Recognition -- A  
Unified Framework of Subspace and Distance Metric Learning for Face  
Recognition -- Face Recognition Based on Pose-Variant Image  
Synthesis and Multi-level Multi-feature Fusion -- Towards Pose-  
Invariant 2D Face Classification for Surveillance -- Robust Face  
Recognition Strategies Using Feed-Forward Architectures and Parts.

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#### Sommario/riassunto

The 2007 IEEE International Workshop on Analysis and Modeling of  
Faces and Gestures(AMFG) is the third workshop of its type organized in conjunction with ICCV, this time  
in Rio de Janeiro, Brazil. Our primary goal is to bring together  
researchers and research groups to review the status of recognition,  
analysis and modeling of face, gesture, activity, and behavior; to  
discuss the challenges that we are facing; and to explore future  
directions. This year we received 55 submissions. Each paper was  
reviewed by three program committee members. The whole reviewing  
process was double blind. However, due to size limit, we were only able  
to accommodate 22 papers, among which 8 are orals and 14 are  
posters. The topics covered by these accepted papers include feature  
representation, 3D face, robust recognition under pose and  
illumination variations, video-based face recognition, learning, facial  
motion analysis, body pose estimation, and sign recognition. A special  
word of thanks goes to Dr. Feng Zhao, our organizing chair, for his  
dedication and great efforts in maintaining both the online submission  
system and workshop website and in handling most of the author  
contacts. We are indebted to the advisory committee members for their  
valuable suggestions and to the program committee members for their  
hard work and timely reviews. Finally, we thank Cognitec System GmbH  
and Siemens Corporate Research for their sponsorship. October 2007  
S. Kevin Zhou Wen-Yi Zhao Xiaou Tang Shaogang Gong Organization  
AMFG 2007 was held in conjunction with ICCV 2007. Workshop Chairs  
S. Kevin Zhou Siemens Corporate Research Wen-Yi Zhao Intuitive  
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