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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.

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
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 S. Kevin Zhou Wen-Yi Zhao Xiaohu 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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