

# 《Affective Computing》

## 图书基本信息

书名：《Affective Computing and Intelligent Interaction情感计算和智能的交互作用》

13位ISBN编号：9783540296218

10位ISBN编号：3540296212

出版时间：2005-12-20

出版社：Springer

页数：1008

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## 内容概要

This book constitutes the refereed proceedings of the First International Conference on Affective Computing and Intelligent Interaction, ACII 2005, held in Beijing, China in October 2005 as an associated event of ICCV 2005, the International Conference on Computer Vision. The 45 revised full papers and 81 revised poster papers presented were carefully reviewed and selected from 198 submissions. They cover a wide range of topics, such as facial expression recognition, face animation, emotional speech synthesis, intelligent agent, and virtual reality. The papers are organized in topical sections on affective face and gesture processing, affective speech processing, evaluation of affective expressivity, affective database, annotation and tools, psychology and cognition of affect, and affective interaction and systems and applications.

## 书籍目录

Affective Face and Gesture Processing Gesture-Based Affective Computing on Motion Capture Data Expression Recognition Using Elastic Graph Matching The Bunch-Active Shape Model Facial Signs of Affect During Tutoring Sessions Towards Unsupervised Detection of Affective Body Posture Nuances Face Alignment Under Various Poses and Expressions A Voting Method and Its Application in Precise Object Location Face Tracking Using Mean-Shift Algorithm: A Fuzzy Approach for Boundary Detection Modelling Nonrigid Object from Video Sequence Under Perspective Projection Sketch Based Facial Expression Recognition Using Graphics Hardware Case-Based Facial Action Units Recognition Using Interactive Genetic Algorithm Facial Expression Recognition Using HLAC Features and WPCA Motion Normalization Emotion Recognition Integration A Composite Method to Extract Eye Contour Simulated Annealing Based Hand Tracking in a Discrete Space Modulation of Attention by Faces Expressing Emotion: Evidence from Visual Marking An Intelligent Algorithm for Enhancing Contrast for Image Based on Discrete Stationary Wavelet Transform and In-complete Beta Transform Automatic Facial Expression Recognition Using Linear and Nonlinear Holistic Spatial Analysis A Novel Regularized Fisher Discriminant Method for Face Recognition Based on Subspace and Rank Lifting Scheme Hand Motion Recognition for the Vision-Based Taiwanese Sign Language Interpretation Static Gesture Quantization and DCT Based Sign Language Generation A Canonical Face Based Virtual Face Modeling Facial Phoneme Extraction for Taiwanese Sign Language Recognition.....Affective Speech Processing Evaluation of Affective Expressivity Psychology and Cognition of Affect Affective Interaction and Systems and Application Author Index

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