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Second Pacific Rim Symposium, PSIVT 2007
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Proceedings

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Preface

These proceedings are a manifestation of the excellent scientific contributions presented at the Second IEEE Pacific Rim Symposium on Video and Image Technology (PSIVT 2007), held in Santiago, Chile, during December 17–19, 2007. The symposium provided a forum for presenting and exploring the latest research and developments in image and video technology. Discussing the possibilities and directions in these fields settled a place where both academic research and industrial activities were presented for mutual benefit. The aim of the symposium was to promote and disseminate ongoing research on multimedia hardware and image sensor technologies, graphics and visualization, image analysis, multiple view imaging and processing, computer vision applications, image and video coding, and multimedia processing. The volume is a realization of the ongoing success of the Pacific Rim Symposium on Video and Image Technology for which the first issue (PSIVT 2006) was last year in Hsinchu, Taiwan, Republic of China.

PSIVT 2007 provides evidence of the growing stature of the Pacific Rim scientific community in video and image technology and of their impact worldwide. The symposium received contributions from 31 countries, registering a total of 155 papers, out of which 75 were accepted for publication in these proceedings, which is equivalent to an acceptance rate of 48.4%. The review process was carried out in seven different themes, each composed of theme Co-chairs and a Program Committee composed of internationally recognized scientists, all experts in their respective theme. Each paper was peer-reviewed by two to five reviewers.

Besides oral and poster presentations of high-quality papers, interesting keynote talks in a mix of topics in theory and applications of image and video technology were presented by internationally renowned scientists:

- Yi-Ping Hung, Image and Vision Laboratory, National Taiwan University
- Hiromishi Fujisawa, Hitachi Central Research Laboratory, Japan
- Pablo Irarrazaval, Department of Electrical Engineering and Magnetic Resonance Imaging Research Center, Pontificia Universidad Católica, Chile
- Peter Kovesi, The Vision Research Group, The University of Western Australia

PSIVT 2007 was organized by the Department of Computer Science at Pontificia Universidad Católica de Chile (PUC). The symposium was sponsored by IEEE, Microsoft Research, the Chilean Society for Computer Science, the Chilean Association for Pattern Recognition (AChIRP) and Pontificia Universidad Católica de Chile.

This conference would not have been such a success without the efforts of many people. First of all, we are very grateful to the authors who contributed

their high-quality research work, sharing their knowledge with our scientific community. We are especially indebted to our theme Co-chairs for putting their efforts in ensuring a high-quality review and selection process. We would like to thank the Program Committee members and the reviewers, who generously spent their precious time in providing quite useful and detailed comments, offering authors an excellent opportunity to improve their work presented in this symposium and their future research. Additionally, we appreciate the meticulous work done by Miguel Carrasco, our Editor Assistant, who put together all camera-ready papers in this book ensuring that every single paper strictly followed the required style and format. Finally, we would like to express our gratitude to all members of the Organizing and Steering Committees, especially to Reinhard Klette and Wen-Nung Lie, for their support and help in bringing this symposium to Chile for the first time.

October 2007

Domingo Mery
Luis Rueda

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Table of Contents

Keynote Lectures

An Image-Based Approach to Interactive 3D Virtual Exhibition	1
<i>Yi-Ping Hung</i>	
Information Just-in-Time: An Approach to the Paperless Office	2
<i>Hiromichi Fujisawa</i>	
Sampling Less and Reconstructing More for Magnetic Resonance Imaging	3
<i>Pablo Irarrazaval</i>	
Phase is an Important Low-Level Image Invariant	4
<i>Peter Kovsi</i>	

Multimedia Hardware and Image Sensor Technologies

A Pipelined 8x8 2-D Forward DCT Hardware Architecture for H.264/AVC High Profile Encoder	5
<i>Thaísa Leal da Silva, Cláudio Machado Diniz, João Alberto Vortmann, Luciano Volcan Agostini, Altamiro Amadeu Susin, and Sergio Bampi</i>	
A Real Time Infrared Imaging System Based on DSP & FPGA	16
<i>Babak Zamanlooy, Vahid Hamiati Vaghef, Sattar Mirzakuchaki, Ali Shojaee Bakhtiari, and Reza Ebrahimi Atani</i>	
Motion Compensation Hardware Accelerator Architecture for H.264/AVC	24
<i>Bruno Zatt, Valter Ferreira, Luciano Agostini, Flávio R. Wagner, Altamiro Susin, and Sergio Bampi</i>	
High Throughput Hardware Architecture for Motion Estimation with 4:1 Pel Subsampling Targeting Digital Television Applications	36
<i>Marcelo Porto, Luciano Agostini, Leandro Rosa, Altamiro Susin, and Sergio Bampi</i>	

Graphics and Visualization

Fast Directional Image Completion	48
<i>Chih-Wei Fang and Jenn-Jier James Lien</i>	

Out-of-Order Execution for Avoiding Head-of-Line Blocking in Remote 3D Graphics	62
<i>John Stavrakakis and Masahiro Takastuka</i>	
A Fast Mesh Deformation Method for Neuroanatomical Surface Inflated Representations	75
<i>Andrea Rueda, Álvaro Perea, Daniel Rodríguez-Pérez, and Eduardo Romero</i>	
Mosaic Animations from Video Inputs	87
<i>Rafael B. Gomes, Tiago S. Souza, and Bruno M. Carvalho</i>	

Image Analysis

Grayscale Template-Matching Invariant to Rotation, Scale, Translation, Brightness and Contrast	100
<i>Hae Yong Kim and Sidnei Alves de Araújo</i>	
Bimodal Biometric Person Identification System Under Perturbations	114
<i>Miguel Carrasco, Luis Pizarro, and Domingo Mery</i>	
A 3D Object Retrieval Method Using Segment Thickness Histograms and the Connection of Segments	128
<i>Yingliang Lu, Kunihiko Kaneko, and Akifumi Makinouchi</i>	
Facial Occlusion Reconstruction: Recovering Both the Global Structure and the Local Detailed Texture Components	141
<i>Ching-Ting Tu and Jenn-Jier James Lien</i>	
Cyclic Linear Hidden Markov Models for Shape Classification	152
<i>Vicente Palazón, Andrés Marzal, and Juan Miguel Vilar</i>	
Neural Network Classification of Photogenic Facial Expressions Based on Fiducial Points and Gabor Features	166
<i>Luciana R. Veloso, João M. de Carvalho, Claudio S.V.C. Cavalcanti, Eduardo S. Moura, Felipe L. Coutinho, and Herman M. Gomes</i>	
Image In-painting by Band Matching, Seamless Cloning and Area Sub-division	180
<i>Subin Lee and Yongduek Seo</i>	
Image Feature Extraction Using a Method Derived from the Hough Transform with Extended Kalman Filtering	191
<i>Sergio A. Velastin and Chengping Xu</i>	
Nonlinear Dynamic Shape and Appearance Models for Facial Motion Tracking	205
<i>Chan-Su Lee, Ahmed Elgammal, and Dimitris Metaxas</i>	

Direct Ellipse Fitting and Measuring Based on Shape Boundaries	221
<i>Milos Stojmenovic and Amiya Nayak</i>	
Approximate ESPs on Surfaces of Polytopes Using a Rubberband Algorithm	236
<i>Fajie Li, Reinhard Klette, and Xue Fu</i>	
Sub-grid Detection in DNA Microarray Images	248
<i>Luis Rueda</i>	
Modelling Intermittently Present Features Using Nonlinear Point Distribution Models	260
<i>Gerard Sanroma and Francesc Serratos</i>	
Measuring Linearity of Ordered Point Sets	274
<i>Milos Stojmenovic and Amiya Nayak</i>	
Real-Time Color Image Watermarking Based on D-SVD Scheme	289
<i>Cheng-Fa Tsai and Wen-Yi Yang</i>	
Recognizing Human Iris by Modified Empirical Mode Decomposition . . .	298
<i>Jen-Chun Lee, Ping S. Huang, Tu Te-Ming, and Chien-Ping Chang</i>	
Segmentation of Scanned Insect Footprints Using ART2 for Threshold Selection	311
<i>Bok-Suk Shin, Eui-Young Cha, Young Woon Woo, and Reinhard Klette</i>	
Meshless Parameterization for Dimensional Reduction Integrated in 3D Voxel Reconstruction Using a Single PC	321
<i>Yunli Lee, Dongwuk Kyoung, and Keechul Jung</i>	
An Efficient Biocryptosystem Based on the Iris Biometrics	334
<i>Ali Shojaei Bakhtiari, Ali Asghar Beheshti Shirazi, and Babak Zamanlooy</i>	
Subjective Image-Quality Estimation Based on Psychophysical Experimentation	346
<i>Gi-Yeong Gim, Hyunchul Kim, Jin-Aeon Lee, and Whoi-Yul Kim</i>	
Adaptive Color Filter Array Demosaicking Based on Constant Hue and Local Properties of Luminance	357
<i>Chun-Hsien Chou, Kuo-Cheng Liu, and Wei-Yu Lee</i>	

Multiple View Imaging and Processing

Automatic Multiple Visual Inspection on Non-calibrated Image Sequence with Intermediate Classifier Block	371
<i>Miguel Carrasco and Domingo Mery</i>	

Image-Based Refocusing by 3D Filtering	385
<i>Akira Kubota, Kazuya Kodama, and Yoshinori Hatori</i>	
Online Multiple View Computation for Autostereoscopic Display	399
<i>Vincent Nozick and Hideo Saito</i>	
Horizontal Human Face Pose Determination Using Pupils and Skin Region Positions	413
<i>Shahrel A. Suandi, Tie Sing Tai, Shuichi Enokida, and Toshiaki Ejima</i>	
Segmentation-Based Adaptive Support for Accurate Stereo Correspondence	427
<i>Federico Tombari, Stefano Mattoccia, and Luigi Di Stefano</i>	
3D Reconstruction of a Human Body from Multiple Viewpoints	439
<i>Koichiro Yamauchi, Hideto Kameshima, Hideo Saito, and Yukio Sato</i>	
3D Posture Representation Using Meshless Parameterization with Cylindrical Virtual Boundary	449
<i>Yunli Lee and Keechul Jung</i>	
Using the Orthographic Projection Model to Approximate the Perspective Projection Model for 3D Facial Reconstruction	462
<i>Jin-Yi Wu and Jenn-Jier James Lien</i>	
Multi-target Tracking with Poisson Processes Observations	474
<i>Sergio Hernandez and Paul Teal</i>	
Proposition and Comparison of Catadioptric Homography Estimation Methods	484
<i>Christophe Simler, Cédric Demonceaux, and Pascal Vasseur</i>	
External Calibration of Multi-camera System Based on Efficient Pair-wise Estimation	497
<i>Chunhui Cui, Wenxian Yang, and King Ng Ngan</i>	

Computer Vision Applications

Fast Automatic Compensation of Under/Over-Exposed Image Regions	510
<i>Vassilios Vonikakis and Ioannis Andreadis</i>	
Motion Estimation Applied to Reconstruct Undersampled Dynamic MRI	522
<i>Claudia Prieto, Marcelo Guarini, Joseph Hajnal, and Pablo Irarrazaval</i>	

Real-Time Hand Gesture Detection and Recognition Using Boosted Classifiers and Active Learning	533
<i>Hardy Francke, Javier Ruiz-del-Solar, and Rodrigo Verschae</i>	
Spatial Visualization of the Heart in Case of Ectopic Beats and Fibrillation	548
<i>Sándor M. Szilágyi, László Szilágyi, and Zoltán Benyó</i>	
A Single-View Based Framework for Robust Estimation of Height and Position of Moving People	562
<i>Seok-Han Lee and Jong-Soo Choi</i>	
Robust Tree-Ring Detection	575
<i>Mauricio Cerda, Nancy Hitschfeld-Kahler, and Domingo Mery</i>	
A New Approach for Fingerprint Verification Based on Wide Baseline Matching Using Local Interest Points and Descriptors	586
<i>Javier Ruiz-del-Solar, Patricio Loncomilla, and Christ Devia</i>	
SVM with Stochastic Parameter Selection for Bovine Leather Defect Classification	600
<i>Roberto Viana, Ricardo B. Rodrigues, Marco A. Alvarez, and Hemerson Pistori</i>	
Incremental Perspective Motion Model for Rigid and Non-rigid Motion Separation	613
<i>Tzung-Heng Lai, Te-Hsun Wang, and Jenn-Jier James Lien</i>	
Vision-Based Guitarist Fingering Tracking Using a Bayesian Classifier and Particle Filters	625
<i>Chutisant Kerdvibulvech and Hideo Saito</i>	
Accuracy Estimation of Detection of Casting Defects in X-Ray Images Using Some Statistical Techniques	639
<i>Romeu Ricardo da Silva and Domingo Mery</i>	
A Radial Basis Function for Registration of Local Features in Images ...	651
<i>Asif Masood, Adil Masood Siddiqui, and Muhammad Saleem</i>	
Hardware Implementation of Image Recognition System Based on Morphological Associative Memories and Discrete Wavelet Transform ...	664
<i>Enrique Guzmán, Selene Alvarado, Oleksiy Pogrebnyak, Luis Pastor Sánchez Fernández, and Cornelio Yañez</i>	
Detection and Classification of Human Movements in Video Scenes	678
<i>A.G. Hochuli, L.E.S. Oliveira, A.S. Britto Jr., and A.L. Koerich</i>	
Image Registration by Simulating Human Vision	692
<i>Shubin Zhao</i>	

Face and Gesture-Based Interaction for Displaying Comic Books	702
<i>Hang-Bong Kang and Myung-Ho Ju</i>	
Better Foreground Segmentation for 3D Face Reconstruction Using Graph Cuts	715
<i>Anjin Park, Kwangjin Hong, and Keechul Jung</i>	
Practical Error Analysis of Cross-Ratio-Based Planar Localization	727
<i>Jen-Hui Chuang, Jau-Hong Kao, Horng-Horng Lin, and Yu-Ting Chiu</i>	
People Counting in Low Density Video Sequences	737
<i>J.D. Valle Jr., L.E.S. Oliveira, A.L. Koerich, and A.S. Britto Jr.</i>	
Simulation of Automated Visual Inspection Systems for Specular Surfaces Quality Control	749
<i>Juan Manuel García-Chamizo, Andrés Fuster-Guilló, and Jorge Azorín-López</i>	
Low Cost Virtual Face Performance Capture Using Stereo Web Cameras	763
<i>Alexander Woodward, Patrice Delmas, Georgy Gimel'farb, and Jorge Marquez</i>	
Hidden Markov Models Applied to Snakes Behavior Identification	777
<i>Wesley Nunes Gonçalves, Jonathan de Andrade Silva, Bruno Brandoli Machado, Hemerson Pistori, and Albert Schiaveto de Souza</i>	

Image and Video Coding

SP Picture for Scalable Video Coding	788
<i>Jie Jia, Hae-Kwang Kim, and Hae-Chul Choi</i>	
Studying the GOP Size Impact on the Performance of a Feedback Channel-Based Wyner-Ziv Video Codec	801
<i>Fernando Pereira, João Ascenso, and Catarina Brites</i>	
Wyner-Ziv Video Coding with Side Matching for Improved Side Information	816
<i>Bonghyuck Ko, Hiuk Jae Shim, and Byeungwoo Jeon</i>	
On Digital Image Representation by the Delaunay Triangulation	826
<i>Josef Kohout</i>	
Low-Complexity TTCM Based Distributed Video Coding Architecture	841
<i>J.L. Martínez, W.A.C. Fernando, W.A.R.J. Weerakkody, J. Oliver, O. López, M. Martinez, M. Pérez, P. Cuenca, and F. Quiles</i>	

Adaptive Key Frame Selection for Efficient Video Coding	853
<i>Jaebum Jun, Sunyoung Lee, Zanning He, Myungjung Lee, and Euee S. Jang</i>	

Multimedia Processing

Application of Bayesian Network for Fuzzy Rule-Based Video Deinterlacing	867
<i>Gwanggil Jeon, Rafael Falcon, Rafael Bello, Donghyung Kim, and Jechang Jeong</i>	
Markov Random Fields and Spatial Information to Improve Automatic Image Annotation	879
<i>Carlos Hernández-Gracidas and L. Enrique Sucar</i>	
Shape-Based Image Retrieval Using k -Means Clustering and Neural Networks	893
<i>Xiaoliu Chen and Imran Shafiq Ahmad</i>	
Very Fast Concentric Circle Partition-Based Replica Detection Method	905
<i>Ik-Hwan Cho, A-Young Cho, Jun-Woo Lee, Ju-Kyung Jin, Won-Keun Yang, Weon-Geun Oh, and Dong-Seok Jeong</i>	
Design of a Medical Image Database with Content-Based Retrieval Capabilities	919
<i>Juan C. Caicedo, Fabio A. González, Edwin Triana, and Eduardo Romero</i>	
A Real-Time Object Recognition System on Cell Broadband Engine	932
<i>Hiroki Sugano and Ryusuke Miyamoto</i>	
A Study of Zernike Invariants for Content-Based Image Retrieval	944
<i>Pablo Toharia, Oscar D. Robles, Ángel Rodríguez, and Luis Pastor</i>	
Author Index	959