



DETAILED PROGRAM

Tuesday 11 September 2007

08:30 - 09:00 -- Registration

09:00 - 09:30 -- Opening

09:30 - 10:30 -- Keynote Speech: Prof. Rama Chellappa (Univ. Of Maryland - USA)

10:30 - 10:50 -- Coffee break

10:50 - 11:50 -- Oral session: Biometry I -- Session Chair: Paola Campadelli

10:50 - 11:10 **Collarette Area Localization and Asymmetrical Support Vector Machine for Efficient Iris Recognition**

Kaushik Roy, Prabir Bhattacharya
Concordia University, CA

11:10 - 11:30 **Colour and Geometric based Model for Lip Localisation: Application for Lip-reading System**

Salah Werda, Walid Mahdi
MIRACL: Multimedia Information systems and Advanced Computing Laboratory, TN / ISIMS, TN

11:30 - 11:50 **Dynamic Score Selection for Fusion of Multiple Biometric Matchers**

Roberto Tronci, Giorgio Giacinto, Fabio Roli
Università di Cagliari, IT

11:50 - 12:50 -- Oral session: Theory I -- Session Chair: Fabio Roli

11:50 - 12:10 **Integrating Boundary Information in Pairwise Segmentation**

Andrea Torsello, Marco Di Gesu`, Marcello Pelillo
Università di Venezia, IT

12:10 - 12:30 **Kernelised Relaxation Labelling using Fokker-Plank Diffusion**

Hong-Fang Wang, Edwin Hancock
University of York, UK

12:30 - 12:50 **Spectral Generative Models for Graphs**

Richard Wilson, David White
University of York, UK

10:30 - 12:50 -- Poster session: Theory II

Learning Repetitive Patterns for Classifying Non-Rigidly Deforming Texture Surfaces

Roman Filipovych, Eraldo Ribeiro
Florida Institute of Technology, US

Motion Estimation via Belief Propagation

Paolo Napolitano, Giuseppe Boccignone, Angelo Marcelli, Mario Ferraro
Università di Salerno, IT / Università di Torino, IT

Performance evaluation of Scale-Interpolated Hessian-laplace detector and Haar Descriptor for feature matching

Robert Laganiere, Akshay Bhatia, Gerhard Roth
University of Ottawa, CA / National Research Council of Canada, CA

Sparseness Achievement in Hidden Markov Models

Manuele Bicego, Marco Cristani, Vittorio Murino
Università di Sassari, IT / Università di Verona, IT

Grey Weighted Polar Distance Transform for Outlining Circular and Approximately Circular Objects

Kristin Norell, Joakim Lindblad, Stina Svensson
Swedish University of Agricultural Sciences, SE

Topology Preserving Marching Cubes-like Algorithms on the Face-Centered Cubic Grid

Robin Strand, Peer Stelldinger
Uppsala University, SE / University of Hamburg, DE

10:30 - 12:50 -- Poster session: Industrial Applications I

A method of clustering combination applied to satellite image analysis

Ivan Kyrgyzov, Henri Maitre, Marine Campedel
GET/Telecom Paris, FR

Ball Position and Motion Reconstruction from Blur in a Single Perspective Image

Giacomo Boracchi, Vincenzo Caglioti, Alessandro Giusti
Politecnico di Milano, IT

Calibration and Image Generation of Mobile Projector-Camera Systems

Koji Hamada, Jun Sato
Nagoya Institute of Technology, JP

Hybrid Stereo Sensor with Omnidirectional Vision Capabilities: Overview and Calibration Procedures

Luca Mussi, Stefano Cagnoni, Monica Mordonini, Giovanni Adorni
Università di Perugia, IT / Università di Parma, IT

Image Spam Filtering Using Visual Information

Battista Biggio, Giorgio Fumera, Ignazio Pillai, Fabio Roli
Università di Cagliari, IT

Localization of ahead vehicles with on-board stereo cameras

Michele Zanin
FBK-irst, IT

Rectification of 3D Data Obtained from Moving Range Sensors by using Multiple View Geometry

Kozuka Kazuki, Jun Sato
Nagoya Institute of Technology, JP

Subspace Reduction for Appearance-Based Navigation of a Mobile Robot

Luis Paya, Oscar Reinoso, Asunción Vicente, Arturo Gil, Jose Manuel Pedrero
Miguel Hernández University, ES

Unwarping scanned image of Japanese/English documents

Ali Zandifar
University of Maryland, US

12:50 - 14:20 -- Lunch

14:20 - 15:40 -- Oral session: Surveillance and Security I -- Session Chair: Gian Luca Foresti

14:20 - 14:40 **A Dynamic Programming Technique for Classifying Trajectories**

Simone Calderara, Rita Cucchiara, Andrea Prati
Università di Modena e Reggio Emilia, IT

14:40 - 15:00 **Detection and Monitoring of Passengers on a Bus by Video Surveillance**

Boon Chong Chee, Mihai Lazarescu, Tele Tan
Curtin University of Technology, AU

15:00 - 15:20 **Object Tracking at Multiple Levels of Spatial Resolutions**

Son Tran, Larry Davis
University of Maryland, US

15:20 - 15:40 **Video Objects Segmentation by Robust Background Modeling**

Andrea Colombari, Andrea Fusiello, Vittorio Murino
Università di Verona, IT

15:40 - 16:00 -- Coffee break

16:00 - 17:00 -- Oral session: Biometry II -- Session Chair: Rama Chellappa

16:00 - 16:20 **Face Shape Reconstruction from Image Sequence Taken with Monocular Camera using Shape Database**

Hideo Saito, Yosuke Ito, Masaaki Mochimaru
Keio University, JP

16:20 - 16:40 **Noise versus Facial Expression on 3D Face Recognition**

Chauã Queirolo, Maurício Segundo, Olga Bellon, Luciano Silva
Universidade Federal do Paraná, BR

16:40 - 17:00 **Using geodesic distances for 2D-3D and 3D-3D face recognition**

Stefano Berretti, Alberto Del Bimbo, Pietro Pala, Francisco Jose Silva Mata
Università di Firenze, IT / Centro de Aplicaciones de Tecnologías de Avanzada, CU

17:00 - 18:20 -- Oral session: Industrial Applications II -- Session Chair: Hideo Saito

17:00 - 17:20 **Optical Flow Computation on Compute Unified Device Architecture**

Yoshiki Mizukami, Katsumi Tadamura
Yamaguchi University, JP

17:20 - 17:40 **Transformation invariant SOM clustering in Document Image Analysis**

Simone Marinai, Emanuele Marino, Giovanni Soda
Università di Firenze, IT

17:40 - 18:00 **Verification of Handwritten Signatures: an Overview**

A. Ferrante, N. Greco, S. Impedovo, R. Modugno, G. Pirlo
Università di Bari, IT

18:00 - 18:20 **Visual feature group matching for autonomous robot localization**

Emanuele Frontoni, Primo Zingaretti
Università Politecnica delle Marche, IT

14:20 - 18:20 -- Poster session: Biometry III

Automatic Video-based Analysis of Athlete Action

Haojie Li, Shouxun Lin, Yongdong Zhang, Kun Tao
Institute of Computing Technology, Chinese Academy of Sciences, CN / ICT,CAS, CN

Becoming Visually Familiar

Modesto Castrillón-Santana, Oscar Déniz-Suárez, Javier Lorenzo-Navarro, Daniel Hernández-Sosa
University of Las Palmas de Gran Canaria, ES

Block Independent Component Analysis for Face Recognition

Lei Zhang, Quanxue Gao, David Zhang
The Hong Kong Polytechnic University, HK

Fingerprint scanner focusing estimation by Top Sharpening Index

Annalisa Franco, Davide Maltoni, Matteo Ferrara
Università di Bologna, IT

Fingerprints Recognition Using Minutiae Extraction: a Fuzzy Approach.

Anna Montesanto, Paola Baldassarri, Germano Vallesi, Guido Tascini
Università Politecnica delle Marche, IT

Generalization in Holistic versus Analytic Processing of Faces

Manuele Bicego, Albert Salah, Enrico Grosso, Massimo Tistarelli, Lale Akarun
Università di Sassari, IT / CWI, NL / Bogazici University, TR

Human Computer Interaction: Legibility and Contrast

Silvia Zuffi, Carla Brambilla, Giordano Beretta, Paolo Scala
Consiglio Nazionale delle Ricerche, IT / Hewlett-Packard Laboratories, Palo Alto, US

Real-time 3D Hand Shape Estimation based on Image Feature Analysis and Inverse Kinematics

Weiyang Chen, Ryuji Fujiki, Daisaku Arita, Rin-ichiro Taniguchi
Kyushu University, JP

Real-time Gesture Recognition in Advanced Videocommunication Services

Oliver Schreer, Seinghor Ngongang
Fraunhofer Institute for Telecommunications, DE / Heinrich-Hertz-Institut, DE

Score-level fusion of fingerprint and face matchers for personal verification under "stress" conditions

Gian Luca Marcialis, Fabio Roli
Università di Cagliari, IT

Stereo-based 3D Face Modeling using Annealing in Local Energy Minimization

Besma Abidi, Shafik Huq, Mongi Abidi
University of Tennessee, US

14:20 - 18:20 -- Poster session: Industrial Applications III

Automatic extraction of LIDAR data classification rules

Primo Zingaretti, Emanuele Frontoni, Gianfranco Forlani, Carla Nardinocchi
Università Politecnica delle Marche, IT / Università di Parma, IT / Università di Roma "La Sapienza", IT

Automatic Handwriting Identification on Medieval Documents

Marius Bulacu, Lambert Schomaker
University of Groningen, NL / Rijksuniversiteit, NL

D-Calib: Calibration Software for Multiple Cameras System

Yuko Uematsu, Tomoaki Teshima, Hideo Saito, Cao Honghua
Keio University, JP

Efficient stereo vision for obstacle detection and AGV Navigation

Rita Cucchiara, Emanuele Perini, Giuliano Pistoni
Università di Modena e Reggio Emilia, IT

Real-Time SLAM with a High-Speed CMOS Camera

Peter Gemeiner, Wolfgang Ponweiser
Vienna University of Technology, AT

Reconstruction of a High Dynamic Range and High Resolution Image from a Multisampled Image Sequence

Harald Haraldsson, Masayuki Tanaka, Masatoshi Okutomi
Tokyo Institute of Technology, JP

18:20 - 19:00 -- Guided visit

19:00 - 20:00 -- Welcome cocktail

Wednesday 12 September 2007

08:30 - 09:00 -- Registration

09:00 - 10:00 -- Keynote speech: Prof. Tsuhan Chen (Carnegie Mellon Univ., USA)

10:00 - 11:00 -- Oral session: Surveillance and Security II -- Session Chair: Andrea Prati

10:00 - 10:20 **A Nonlinear-Shift Approach to Object Tracking Based on Shape Information**

Majid Asadi, Andrea Beoldo, Carlo Regazzoni
Università di Genova, IT

10:20 - 10:40 **An information theoretic rule for sample size adaptation in particle filtering**

Oswald Lanz
ITC-IRST, IT

10:40 - 11:00 **Cooperative Object Tracking with Multiple PTZ Cameras**

Ivo Everts, Nicu Sebe, Graeme Jones
University of Amsterdam, NL / Kingston University, UK

11:00 - 11:20 -- Coffee break

11:20 - 12:20 -- Oral session: Theory III -- Session Chair: Giuseppe Boccignone

11:20 - 11:40 **Adaptive uncertainty estimation for particle filter-based trackers**

Andrew Bagdanov, Alberto Del Bimbo, Fabrizio Dini, Walter Nunziati
Università di Firenze, IT

11:40 - 12:00 **Multi-resolution Morse-Smale complexes for terrain modeling**

Emanuele Danovaro, Leila De Floriani, Maria Vitali
Università di Genova, IT / Free University of Bolzano, IT / University of Maryland, US

12:00 - 12:20 **Surface Integration: Two Statistical Approaches**

William A. P. Smith, Edwin R. Hancock
University of York, UK

12:20 - 13:20 -- Oral session: Biometry IV -- Session Chair: Larry Davis

12:20 - 12:40 **Distribution-Based Face Detection using Calibrated Boosted Cascade Classifier**

Hiromasa Takatsuka, Masayuki Tanaka, Masatoshi Okutomi
Tokyo Institute of Technology, JP

12:40 - 13:00 **Reactive Learning Strategy for AsymBoost Based Face Detectors**

Ingrid Visentini, Christian Micheloni, Gian Luca Foresti
Università di Udine, IT / Università di Udine, IT

13:00 - 13:20 **Video Biometrics**

Rama Chellappa, Gaurav Aggarwal
University of Maryland, US

10:00 - 13:20 -- Poster session: Multimedia I

A Novel Anchorperson Detection Algorithm Based on Spatio-temporal Slice

Anan Liu, Sheng Tang, Yong-Dong Zhang, Jintao Li, Zhaoxuan Yang
Tianjin University, CN / Institute of Computing Technology, Chinese Academy of Sciences, CN

A robust measure for visual correspondence

Federico Tombari, Luigi Di Stefano, Stefano Mattoccia
Università di Bologna, IT

A Video-Browsing-Enhanced Personal Video Recorder

Ajay Divakaran, Isao Otsuka
Mitsubishi Electric Research Laboratories, US / ATC, Mitsubishi Electric Corporation, JP

Automatic generation of generic Bitstream Syntax Descriptions applied to H.264/AVC SVC encoded video streams

Davy Van Deursen, Wesley De Neve, Davy De Schrijver, Rik Van de Walle
Ghent University - IBBT, BE

Bringing Mobile Map-Based Access to Digital Audio to the End User

Robert Neumayer, Jakob Frank, Peter Hlavac, Thomas Lidy and Andreas Rauber
Vienna University of Technology, AT

Combining Features for Image Retrieval by Concept Lattice Querying and Navigation

Giuseppe Amato, Carlo Meghini
Consiglio Nazionale delle Ricerche, IT

Effective color space representation for wavelet based compression of HDR images

Masahiro Okuda, Nicola Adami
Faculty of Environmental Engineering, The University of Kitakyushu, Japan, JP / Università di Brescia, IT

Face3 a 2D+3D Robust Face Recognition System

Alessandro Colombo, Claudio Cusano, Raimondo Schettini
Università di Milano - Bicocca, IT

Fast and Effective Features for Recognizing Recurring Video Clips in Very Large Databases

Ina Döhring, Rainer Lienhart
University of Augsburg, DE

Fast Predictive Search Algorithm for Video Motion Estimation

Lei Chun Chou, Cheng Da Ye, Liu Yuan Chen, Bin Cheng Jhao
National Taipei University of Education, TW

10:00 - 13:20 -- Poster session: Biometry V

A Framework of Calculus on Facial Surfaces

Chafik Samir, Mohamed Daoudi, Anuj Srivastava
GET/INT, Telecom Lille1, FR

A trainable system for face detection in unconstrained environments

Augusto Destrero, Francesca Odone, Alessandro Verri
Università di Genova, IT

analysis of 3D face reconstruction

Hassan Amin Syed, Duncan Gillies
Imperial College London, UK

Automatic Detection of Facial Landmarks from AU-coded Expressive Facial Images

Yulia Gizatdinova, Veikko Surakka
University of Tampere, FI

Automatic Lip Contour Detection Using Level Set Segmentation Method

Abu Sayeed Md. Sohail, Prabir Bhattacharya
Concordia University, CA

Face and facial features detection for 3D face recognition under facial expression variations

Maurício Segundo, Chauã Queirolo, Olga Bellon, Luciano Silva
Universidade Federal do Paraná, BR

Face, Ear and Fingerprint: Designing Multibiometric Architectures

Andrea Abate, Michele Nappi, Maria De Marsico, Daniel Riccio
Università di Salerno, IT / Università di Roma "La Sapienza", IT

Gabor Saliency Map for Face Recognition

Annalisa Franco, Raffaele Cappelli, Dario Maio
Università di Bologna, IT

Robust Face Matching Under Large Occlusions

Georgy Gimel'farb, Patrice Delmas, John Morris, Al Shorin
University of Auckland, NZ

Robust Iris Localization and Tracking based on Constrained Visual Fitting

Carlo Colombo, Dario Comanducci, Alberto Del Bimbo
Università di Firenze, IT

13:20 - 14:30 -- Lunch

14:30 - 15:30 -- Keynote speech: Prof. Stan Sclaroff (Boston Univ., USA)

15:30 - 16:30 -- Oral session: Multimedia II -- Session Chair: Costantino Grana

15:30 - 15:50 **Adding Gestures to Ordinary Mouse Use: a New Input Modality for Improved Human-Computer Interaction**

Luca Lombardi, Marco Porta
Università di Pavia, IT

15:50 - 16:10 **Semantic Video Search**

A.W.M. Smeulders, J.C. van Gemert, B. Huurnink, D.C. Koelma, O. de Rooij, K.E.A. van de Sande, C.G.M. Snoek,
C.J. Vecaman, M. Worring
University of Amsterdam, NL

16:10 - 16:30 **Appearance-based 3D object recognition with time-invariant features**
Elisabetta Delponte, Nicoletta Noceti, Francesca Odone, Alessandro Verri
Università di Genova, IT

16:30 - 16:50 -- Coffee break

16:50 - 18:10 -- Oral session: Theory IV -- Session Chair: Vittorio Murino

16:50 - 17:10 **Computing Epipolar Geometry from Unsynchronized Cameras**
Ying Piao, Jun Sato
Nagoya Institute of Technology, JP

17:10 - 17:30 **Fast extraction of multi-resolution Gabor features**
Jarmo Ilonen, Joni Kämäräinen, Heikki Kälviäinen
Lappeenranta University of Technology, FI

17:30 - 17:50 **On Genuine Connectivity Relations Based on Logical Predicates**
Pierre Soille
EC JRC - Ispra, IT

17:50 - 18:10 **Projective Transformations for Image Transition Animations**
TzuYen Wong, Peter Kovsesi, Amitava Datta
University of Western Australia, AU

15:30 - 18:10 -- Poster session: Surveillance and Security III

A Framework for False Positive Suppression in Video Segmentation

Min Han Tun, Geoff West, Tele Tan
Curtin University of Technology, AU

A Statistical Method for People Counting in Crowded Environments

Massimiliano Bozzoli, Luigi Cinque, Enver Sangineto
Hypercube S.r.L., IT / Università di Roma "La Sapienza", IT

Alignment of videos recorded from moving vehicles

Joan Serrat, Ferran Diego, F. Lumbreras, J.M. Alvarez
Universitat Autònoma de Barcelona, ES

An improvement of AdaBoost face-detection with motion and color information

Vincenzo Randazzo, Lisa Usai
ELSAG SpA, IT

Detecting Major Segmentation Errors for a Tracked Person Using Colour Feature Analysis

Christopher Madden, Massimo Piccardi
University of Technology, Sydney, AU

Exploiting Temporal Statistics for Events Analysis and Understanding

Christian Micheloni, Lauro Snidaro, Claudio Piciarelli, Gian Luca Foresti
Università di Udine, IT

Human Appearance Change Detection

Nagia Ghanem, Larry Davis
University of Maryland, US

Moving Object Detection for Real-Time Applications

Lucia Maddalena, Alfredo Petrosino
Consiglio Nazionale delle Ricerche, IT / Università di Napoli "Parthenope", IT

Panoramic mosaicing optimization

Lionel Robinault, Stéphane Bres, Serge Miguet
Université Lyon 2, FR

Sight enhancement through video fusion in a surveillance system

Andrea Masini, Francesco Branchitta, Marco Diani, Giovanni Corsini
Università di Pisa, IT

Video Surveillance and SOS Request

Roberto Marmo, Virginio Cantoni, Marco Zemblini
Università di Pavia, IT

Vision-based monitoring of pedestrian crossings

Rean I. Fedriga, Alessandra Fascioli, Stefano Ghidoni
Università di Parma, IT

16:30 - 19:00 -- GIRPR meeting

20:00 - 23:00 -- GALA DINNER

Thursday 13 September 2007

08:30 - 09:00 -- Registration

09:00 - 10:00 -- Keynote speech: Prof. Prabir Bhattacharya (Concordia Univ., Canada)

10:00 - 11:00 -- Oral session: Multimedia III -- Session Chair: Nicu Sebe

10:00 - 10:20 **Document Image Mosaicing with Mobile Phones**

Jari Hannuksela, Pekka Sangi, Janne Heikkilä, Xu Liu, David Doermann
University of Oulu, FI

10:20 - 10:40 **Improving the accuracy of automatic tennis video annotation by high level grammar**

I. Kolonias, J. Kittler, W.J. Christmas, F. Yan
University of Surrey, UK

10:40 - 11:00 **Shape Indexing through Laplacian Spectra**

Fatih Demirci, Remco C. Veltkamp, Reinier van Leuken
Utrecht University, NL

11:00 - 11:20 -- Coffee break

11:20 - 12:20 -- Oral session: Theory V -- Session Chair: Mario Vento

11:20 - 11:40 **A method for blur and similarity transform invariant object recognition**

Ville Ojansivu, Janne Heikkilä
University of Oulu, FI

11:40 - 12:00 **Corner Displacement from Motion Blur**

Giacomo Boracchi, Vincenzo Caglioti
Politecnico di Milano, IT

12:00 - 12:20 **Rigid Image Registration based on Pixel Grouping**

Dimitrios Gerogiannis, Christophoros Nikou, Aristidis Likas
University of Ioannina, GR

12:20 - 13:20 -- Oral session: Theory VI -- Session Chair: Prabir Bhattacharya

12:20 - 12:40 **A Consistency Result for the Normalized Eight-Point Algorithm**

Wojciech Chojnacki, Michael Brooks
University of Adelaide, AU

12:40 - 13:00 **An Uncalibrated View-Synthesis Pipeline**

Andrea Fusiello, Luca Irsara
Università di Verona, IT

13:00 - 13:20 **Vanishing Point Detection in Complex Man-made Worlds**

Horst Wildenauer, Markus Vincze
Vienna University of Technology, AT

10:00 - 13:20 -- Poster session: Theory VII

Facing Imbalanced Classes through Aggregation of Classifiers

Mario Molinara, Maria Teresa Ricamato, Francesco Tortorella
Università di Cassino, IT

A High Performance Exact Histogram Specification Algorithm

Alessandro Bevilacqua, Pietro Azzari
Università di Bologna, IT

Characterising Range Image Features via Gradient Operators

Sonya Coleman, Shanmugalingam Suganthan, Bryan Scotney
University of Ulster, UK

Cosegmentation for Image Sequences

Dong Seon Cheng, Mario Figueiredo
Università di Verona, IT / Instituto Superior Técnico, PT

Fast convergence for spectral clustering

Marco Aiello, Andreozzi Francesco, Ezio Catanzariti, Francesco Isgro, Matteo Santoro
Università di Napoli "Federico II", IT

Integrated Edge and Corner Detection

Sonya Coleman, Bryan Scotney, Dermot Kerr
University of Ulster, UK

Multidimensional Histogram Equalization

Anthony McCollum, William Clocksin
Oxford Brookes University, UK

Parsing Silhouettes without Boundary Curvature

Ralf Juengling, Lakshman Prasad
Portland State University, US / Los Alamos National Laboratory, US

Surface Segmentation through Concentrated Curvature

Mohammed Mostefa Mesmoudi, Leila De Floriani, Emanuele Danovaro, Umberto Port
Mostaganem, DZ / Università di Genova, IT / Free University of Bolzano, IT / University of Maryland, US

Tensor Voting Fields: Direct Votes Computation and New Saliency Functions

Paola Campadelli, Gabriele Lombardi
Università di Milano, IT

10:00 - 13:20 -- Poster session: Medical Imaging I**A Hybrid Multi-Expert Systems for HEp-2 Staining Pattern Classification**

Paolo Soda, Giulio Iannello
Università Campus Biomedico, Roma, IT

CT-PET Landmark-based Registration Using a Dynamic Lung Model

Antonio Moreno, Sylvie Chambon, Anand Santhanam, Jannick Rolland, Elsa Angelini, Isabelle Bloch
Ecole Nationale Supérieure des Telecommunications, FR / ODALab, US / University of Central Florida, US

Two-way interactive refinement of segmented medical volumes

Alberto Signoroni, Riccardo Leonardi
Università di Brescia, IT

13:20 - 14:30 -- Lunch**14:30 - 15:30 -- Oral session: Theory VIII -- Session Chair: Edwin Hancock****14:30 - 14:50 Efficient and optimal block matching for motion estimation**

Stefano Mattocchia, Federico Tombari, Luigi Di Stefano, Marco Pignoloni
Università di Bologna, IT

14:50 - 15:10 Evaluating Classification Reliability for Combining Classifiers

Pasquale Foggia, Gennaro Percannella, Carlo Sansone, Mario Vento
Università di Napoli "Federico II", IT / Università di Salerno, IT

15:10 - 15:30 Orientation Adaptive Discrete Packet Wavelet Decomposition via Shifting Operators for Image Compression

Stefano Andriani, David Taubman
Università di Padova, IT / University of New South Wales, AU

15:30 - 15:50 -- Coffee break**15:50 - 17:10 -- Oral session: Medical Imaging II -- Session Chair: Luigi Cinque****15:50 - 16:10 A new and reliable Poisson noise estimator for radiographic images**

Iuri Frosio, Mirko Lucchese, Alberto Borghese
Università di Milano, IT

16:10 - 16:30 Automatic liver segmentation from abdominal CT scans

Elena Casiraghi, Paola Campadelli, Gabriele Lombardi
Università di Milano, IT

16:30 - 16:50 Edge Tracking of subjective contours in Biomedical Imaging

Giovanni Garibotto, Valentina Garibotto
ELSAG SpA, IT / Università di Milano "Bicocca", IT

16:50 - 17:10 Multi-modal non-rigid registration of medical images based on mutual information maximization

Edoardo Ardizzone, Orazio Gambino, Marco La Cascia, Liliana Lo Presti, Roberto Pirrone
Università di Palermo, IT

14:30 - 17:10 -- Poster session: Theory IX**Using Bayesian Network for Combining Classifiers**

Claudio De Stefano, Angelo Marcelli, Alessandra Scotto di Freca, Ciro D'Elia
Università di Cassino, IT / Università di Salerno, IT

A Clustering Approach to Object Estimation,

Luca Bianchi, Alessandro Martinelli
Università di Pavia, IT

A New Stereo Algorithm Integrating Luminance, Gradient and Segmentation Informations in a Belief-Propagation Framework

Massimiliano Spertino, Giuseppe Pettiti, Luca Piovano, Nello Balossino, Maurizio Lucenteforte
Consiglio Nazionale delle Ricerche, IT / Università di Torino, IT

Computation of Binary Objects Sides Number using Discrete Geometry, Application to Automatic Pebbles Shape Analysis

Tristan Roussillon, Laure Tougne, Isabelle Sivignon
University of Lyon, FR

Image Enhancement Using Elastic Manifolds

Vadim Ratner, Yehoshua Zeevi
Technion - Israel Institute of Technology, IL

Matching Relational Structures using the Edge-Association Graph

Andrea Torsello, Andrea Albarelli, Marcello Pelillo
Università di Venezia, IT

14:30 - 17:10 -- Poster session: Multimedia IV

A System for the Automatic Identification of Music Works

Nicola Orio
Università di Padova, IT

Interval-Based Linear Hybrid Dynamical System for Modeling Cross-Media Timing Structures in Multimedia Signals

Hiroaki Kawashima, Takashi Matsuyama
Kyoto University, JP

K-dimensional Size Functions for Shape Description and Comparison

Silvia Biasotti, Daniela Giorgi, Andrea Cerri
Consiglio Nazionale delle Ricerche, IT / Università di Bologna, IT

Natural scenes categorization by hierarchical extraction of typicality patterns

Alessandro Perina, Marco Cristani, Vittorio Murino
Università di Verona, IT

Object-Based Indexing of Compressed Video Content: from SD to HD Video

C. Morand, J. Benois-Pineau, J.-Ph. Domenger and B. Mansencal
University of Bordeaux I, FR

Quality Assessment of Gaussian Blurred Images Using Symmetric Geometric Moments

Chong-Yaw Wee, Raveendran Paramesran, Ramakrishnan Mukundan
University of Malaya, MY / University of Canterbury, NZ

Query translation based on equivalence classes for heterogeneous multimedia repositories using XML and semantic annotation

Marco Aguzzi, Maria Grazia Albanesi, Marco Ferretti, Mauro Garlaschelli
Università di Pavia, IT

Recording, Indexing, Summarizing, and Accessing Meeting Videos: An Overview of the AMI Project

Alejandro Jaimes, Herve Bourlard, Steve Renals
IDIAP Research Institute, CH / University of Edinburgh, UK

Segmenting Moving Objects in MPEG Videos in the Presence of Camera Motion

Ralph Ewerth, Martin Schwalb, Paul Tessmann, Bernd Freisleben
University of Marburg, DE

SIFT Features Tracking for Video Stabilization

Sebastiano Battiato, Giovanni Gallo, Giovanni Puglisi, Salvo Scellato
Università di Catania, IT

Wavelet domain watermark embedding strategy

Achraf Makhoulfi, A. Ouled Zaid, A. Bouallegue
ENIT School, SYSCOM Laboratory, TN

Window Detection in Facades

Haider Ali, Christin Seifert, Nitin Jindal, Lucas Paletta, Gerhard Paar
Vienna University of Technology, AT / Joanneum Research, AT

18:00 - 18:30 -- VMDL opening

18:30 - 22:00 -- Keynote speech: Prof. Edward Y. Chang (Google, China)
