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International School of Imaging: Lecture Series

Tuesday, October 4

09:00 - 10:00

Lecture 1: Towards Standardization of X-ray Beam Filters for use in Digital Mammography and Digital Breast Tomosynthesis

Ballroom A

Suman Shrestha (University of Massachusetts, USA)

Lecture 2: Airport baggage screening: challenges and ideas

Ballroom B

Selina Kolokytha (Swiss Federal Laboratories for Materials Science and Technology, Switzerland)

10:00 - 11:00

Lecture 3: New developments in hyperspectral technology add new dimensions in biomedical imaging and in Non-Destructive Testing

Ballroom A

Costas Balas (Technical University of Crete, Greece)

Lecture 4: TDLAS tomography and application in combustion flame monitoring

Ballroom B

Lijun Xu (Beihang University, China)

11:20 - 12:20

Lecture 5: Bioinspired Unmanned Robotic Vision Systems: Technical Challenges, and Market ForecastBallroom A

George Giakos, Panagiotis Pachis, Lina Bengtson, Joseph B. Majeski & Michael Surovich (Manhattan College, USA)

Lecture 6: Cardiovascular Imaging Informatics

Ballroom B

Dimitrios I. Fotiadis (University of Ioannina/FORTH, Greece)

12:20 - 13:20

Lecture 7: Potentialities of Microwave Imaging Techniques for Brain Stroke Detection Ballroom A

Matteo Pastorino (University of Genoa, Italy)

Lecture 8: Integrating in vitro/in vivo experiments and imaging techniques with computational models to enhance personalized tumor growth predictions

Ballroom B

Vangelis Sakkalis, (FORTH, Greece)

Wednesday, October 5

14:30 - 15:30

Lecture 9: Current status of industrial tomography Ballroom B

Wuqiang Yang (University of Manchester, United Kingdom)

Thursday, October 6

08:10 - 09:00

Lecture 10: Computational and image analysis challenges for assessing tumor environment with perfusion and diffusion MRI

Ballroom A

Konstantinos Marias, (FORTH, Greece)

Tuesday, October 4

14:30 - 15:30 Imaging Systems: New Design Concepts	
Room: Ballroom A	
Session Chair: Suman Shrestha (University of Massachusetts Medical School, USA)	
A Novel Laboratory Design of a Passive-Imaging Target Recognition System Operating under Clutter	1
Smart multispectral imager for industrial applications	7
Rafael Celestre (Ilmenau University of Technology, Germany)	
Real-time Implementation of Fractal Image Compression in Low Cost FPGA	3
A New Symmetric Semi-parallel Electrical Impedance Tomography (EIT) System- I: The Design	9
14:30 - 15:30 Image Analysis and Processing I Room: Ballroom B Session Chair: Michalis Zervakis (Technical University of Crete, Greece)	
Comparative Analysis of Texture Descriptors for Classification	?4
Context-Dependent Social Mapping	30
Multi-image Encryption and Authentication with Sparse Constraints in Gyrator Domain	I/A

Motion Parameters Estimation Based on Improved Radon Transform for Blurred Star Image
15:30 - 16:30 Advances in Imaging Room: Ballroom A Session Chair: George Livanos (Technical University of Crete, Greece)
Color standardization for the immunohistochemically stained tissue section images
Recursive-Mode K-means Clustering for Self-organization of Dynamic Imaging Data
Acceleration of RANSAC Algorithm for Images with Affine Transformation 60 John Vourvoulakis (Democritus University of Thrace, Greece) John Lygouras (Democritus University of Thrace, Greece) John Kalomiros (Technological Educational Institute of Central Macedonia, Greece)
In-line Photoluminescence Imaging of Crystalline Silicon Solar Cells for Micro-Crack Detection
15:30 - 16:30 Special Session: Computer Vision Based Measurements I Room: Ballroom B Session Chair: Jacob Scharcanski (UFRGS, Brazil)
Droplet Imaging Instrument: Metrology Instrument for Icing Condition Detection
Evaluating tracking and prediction of tumor motion in a motion-compensating system for adaptive radiotherapy

Robotic Validation of Visual Odometry for Wireless Capsule Endoscopy Dimitris K lakovidis (University of Thessaly, Greece) George Dimas (University of Thessaly, Greece) Gastone Ciuti (Sant'Anna School of Advanced Studies, Italy) Federico Bianchi (Sant'Anna School of Advanced Studies, Italy) Alexandros Karargyris (National Institutes of Health, USA) Anastasios Koulaouzidis (The Royal Infirmary of Edinburgh, United Kingdom) Ervin Toth (Skåne University Hospital, Sweden) Determination of Textile Parameters with Digital Image Processing Christian Indra (Johannes Kepler University, Austria)	
Bernhard G. Zagar (Johannes Kepler University, Austria)	
16:45 - 18:00 Remote Sensing, Ladars, Lidars Room: Ballroom A Session Chair: Selina Kolokytha (EMPA, Switzerland)	
Clay Mapping in Underground Potash Mines: An Initial Investigation into the Use of Corrected Intensity Terrestrial LiDAR Data	94
Angus Errington (University of Saskatchewan, Canada) Brian Daku (University of Saskatchewan, Canada)	
Arnfinn Prugger (Potash Corporation of Saskatchewan Inc., Canada)	
A Markov Chain Model Based on Cameron's CTD Ship Detection Scheme	. 100
Georgios Kouroupis (University of Patras, Greece) Vassilis Anastassopoulos (University of Patras, Greece)	
UAV-Based 3D Modelling of Disaster Scenes for Urban Search and Rescue Styliani Verykokou (Institute of Communication and Computer Systems, Greece) Anastasios Doulamis (Institute of Communication and Computer Systems, Greece) George Athanasiou (Institute of Communication and Computer Systems, Greece) Charalabos Ioannidis (Institute of Communication and Computer Systems, Greece) Angelos Amditis (Institute of Communication and Computer Systems, Greece)	. 106
Quick Detecting LED Array From the Background for Image Sensor Communication. Leilei Jiang (North China Electric Power University, P.R. China) Peng Liu (North China Electric Power University, P.R. China) Rongzhao Wu (North China Electric Power University, P.R. China) Jiang Liu (Waseda University, Japan)	. N/A
Adaptive Multispectral GPU Accelerated Architecture for Earth Observation Satellites Rebecca Davidson (University of Surrey, United Kingdom) Christopher Bridges (University of Surrey, United Kingdom)	. 117
16:45 - 18:00 Special Session: Computer Vision Based Measurements II Room: Ballroom B Session Chair: Jacob Scharcanski (UFRGS, Brazil)	
Real-Time Pothole Detection on TMS320C6678 DSP	. 123
Depth Estimation in Still Images and Videos Using a Motionless Monocular Camera	. 129

A Measuring Method for 3-D Movement of Particles Using Single-Lens Dual-Camera System	135
Dense 3D Reconstruction From Two Spherical Images Via Optical Flow-based Equirectangular Epipolar Rectification	140
Atsushi Yamashita (The University of Tokyo, Japan) Hajime Asama (The University of Tokyo, Japan)	
Shape Reconstruction Using Fisheye and Projective Cameras Konstantina Kottari (University Of Thessaly, Greece) Konstantinos Delibasis (University Of Thessaly, Greece)	146

Wednesday, October 5

	10:00 magnetic Imaging, Systems and Techniques Ballroom A
Session	n Chair: Michalis Zervakis (Technical University of Crete, Greece)
Rates	ave Staring Correlated Imaging Method Based on Random Frequency Modulation with Varying Yuanyue Guo (University of Science and Technology of China, P.R. China) Dongjin Wang (University of Science and Technology of China, P.R. China) Jie Deng (University of Science and Technology of China, P.R. China)
	Ing the Detection of mTBI Via Complexity Analysis in Resting-State Magnetoencephalography
	eld Microwave Imaging Using Open-Ended Circular Waveguides
	rison of Noise Removal Algorithms on Optical Coherence Tomography (OCT) Image
Room: E	10:00 I Diagnostics Techniques I Ballroom B n Chair: Sevastianos Chatzistergos (National Technical University of Athens, Greece)
Images	der Statistical Analysis of 1-D Diffuse Reflectance Signals from Cancer Cells using 2-D Scalogram 171 Rafael Rodrigues (Manhattan College, USA) Suman Shrestha (University of Massachusetts Medical School, USA) Romeo Pascone (Manhattan College, USA) Kevin Lynch (Manhattan College, USA) Evriclea Voudouri-Maniati (Manhattan College, USA) George Livanos (Technical University of Crete, Greece) Michalis Zervakis (Technical University of Akron, USA) Chaya Narayan (The University of Akron, USA) Ying Na (Hangzhou Dianzi University, P.R. China) George Giakos (Manhattan College, USA)

Local Curvature Analysis for Differentiating Glioblastoma Multiforme from Solitary Metastasis	177
Improving Hypoxia Map Estimation by Using Model-Free Classification Techniques in DCE-MRI Images	183
Maria Venianaki (IMT School for Advanced Studies Lucca, Italy & Foundation for Research and Tech Hellas (FORTH), Greece) Eleftherios Kontopodis (Foundation for Research and Technology – Hellas (FORTH), Greece) Katerina Nikiforaki (Foundation for Research and Technology – Hellas (FORTH), Greece) Eelco de Bree (Medical School of Crete University Hospital, Greece) Thomas Maris (Medical School of Crete University Hospital, Greece) Apostolos Karantanas (Medical School of Crete University Hospital, Greece) Ovidio Salvetti (Istituto di Scienza e Tecnologie dell'Informazione "Alessandro Faedo" CNR, Italy) Kostas Marias (Foundation for Research and Technology – Hellas (FORTH), Greece)	nology
Assessment of Interstitial Fluid Pressure in Solid Tumors via Image Processing of DCE-MRI Maya Dadiani (Sheba Medical Center, Israel) Nir Kahana (Sheba Medical Center, Israel) Bella Kaufman (Sheba Medical Center, Israel) Eli Konen (Sheba Medical Center, Israel) Miri Sklair-Levy (Sheba Medical Center, Israel) Arnaldo Mayer (Sheba Medical Center, Israel)	189
10:00 - 11:00 Imaging Instrumentation Design and Techniques Room: Ballroom A Session Chair: Costas Balas (Technical University of Crete, Greece)	
Real-Time Stereo Vision Implementation on the Texas Instruments KeyStone II SoC	195
A low cost wrist vein sensor for biometric authentication R Raghavendra (Norwegian University of Science and Technology, Norway) Christoph Busch (Norwegian University of Science and Technology, Norway)	201
A High-Speed MWIR Uncooled Multi-Aperture Snapshot Spectral Imager for IR Surveillance and Monitoring Roi Méndez-Rial (Aimen, Spain) Álvaro Souto-López (Aimen, Spain) Jesús Rodríguez-García (Aimen, Spain) Jorge Rodríguez-Araújo (Aimen, Spain) Antón García-Díaz (Aimen, Spain)	206
A novel hyperspectral camera and analysis platform for the non-destructive material identification and mapping: an application in paintings by El Greco	

10:00 - 11:00
Image Analysis and Processing II Room: Ballroom B
Session Chair: Sotirios Diamantas (Athens Information Technology, Greece)
Dession Chan. Sounds Diamantas (Athens information reclinology, Greece)
HD Number Plate Localization on the Zynq Heterogeneous SoC
Omar Hommos (Qatar University, Qatar)
Abdulhadi Al-Qahtani (Qatar University, Qatar)
Ali Farhat (Qatar University, Qatar)
Faycal Bensaali (Qatar University, Qatar)
Abbes Amira (Qatar University, Qatar)
Xiaojun Zhai (University of Derby, United Kingdom)
A hybrid multiple exposure image fusion approach for HDR image synthesis222
Ioannis Merianos (Democritus University of Thrace, Greece)
Nikolaos Mitianoudis (Democritus University of Thrace, Greece)
Cross-Spectrum Periocular Authentication for NIR and Visible Images Using Bank of Statistical Filters 227
Kiran B. Raja (Gjøvik University College, Norway)
R Raghavendra (Gjøvik University College, Norway)
Christoph Busch (Gjøvik University College, Norway)
Designing and Development of a Robotic Puzzle Solver Using Morphological Associative Memories N/A
Antonios Arvanitidis (Democritus University of Thrace, Greece)
Savvas A Chatzichristofis (Democritus University of Thrace, Greece) Athanasios Kapoutsis (Democritus University of Thrace, Greece)
Angelos Amanatiadis (Democritus University of Thrace, Greece)
Yiannis Boutalis (Democritus University of Thrace, Greece)
Harring Bodians (Bernochtus Oniversity of Thrace, Oreece)
11:20 - 12:20
Novel Computed Tomography Imaging Techniques
Room: Ballroom A Seesian Chair: Andrzei Skeleki (ACH University of Seignes and Technology, Beland)
Session Chair: Andrzej Skalski (AGH University of Science and Technology, Poland)
Kidney Tumor Segmentation and Detection on Computed Tomography Data
Andrzej Skalski (AGH University of Science and Technology, Poland)
Jacek Jakubowski (Rydygier Memorial Hospital, Poland)
Tomasz Drewniak (Specialized Municipal Hospital G. Narutowicz, Poland)
Feature Selection for Automatic CT-based Prostate Segmentation
Artur Kos (AGH University of Science and Technology, Poland)
Andrzej Skalski (AGH University of Science and Technology, Poland)
Tomasz P. Zielinski (AGH University of Science and Technology, Poland)
Diana Gomes (University of Porto, Portugal)
Vítor Sá (University of Porto, Portugal)
Piotr Kędzierawski (Holly Cross Cancer Center, Poland)
Tomasz Kuszewski (Holly Cross Cancer Center, Poland)

	erence Database of Cargo inspection X-ray images using High Energy C1 of Cargo	49
Selina Alexa Thom Mathic Stefar Wiche Adriar Diana Marius Caroli Frank Ulf Ha Irène Andre Eric R Ger K	Kolokytha (EMPA. Swiss Federal Laboratories for Materials Science and Technology, Switzerland) der Flisch (EMPA. Swiss Federal Laboratories for Materials Science and Technology, Switzerland) is Lüthi (EMPA. Swiss Federal Laboratories for Materials Science and Technology, Switzerland) is Lüthi (EMPA. Swiss Federal Laboratories for Materials Science and Technology, Switzerland) is Plamondon (EMPA. Swiss Federal Laboratories for Materials Science and Technology, Switzerland) Hartmann (EMPA. Swiss Federal Laboratories for Materials Science and Technology, Switzerland) Visser (Center for Adaptive Security Research and Applications (CASRA), Switzerland) Schwaninger (Center for Adaptive Security Research and Applications (CASRA), Switzerland) Hardmeier (Center for Adaptive Security Research and Applications (CASRA), Switzerland) Costin (CEA LIST, France) Evienne (CEA LIST, France) Evienne (CEA LIST, France) Sukowski (Fraunhofer Institute for Integrated Circuits IIS, Germany) Siler (Fraunhofer Institute for Integrated Circuits IIS, Germany) orion (Smiths Heimann S.A.S (SH), France) Cesare Canonica (Swiss Federal Customs Administration (FCA), Switzerland) chat (Swiss Federal Customs Administration (FCA), Switzerland) omen (Dutch Tax and Customs Administration, The Netherlands) Slegt (Dutch Tax and Customs Administration, The Netherlands)	
Katarz Andrz Janus Toma	different phases of contrast-enhanced CT for facilitation of partial nephrectomy	55
11:20 - 12:20 Novel Imagin Room: Ballroo Session Chai		
Large Range Ahme Tino H Mohal Mohal Bened	Self-Sensing Atomic Force Microscope (LR-SAFM) for Surface Topography	61
Chen Maik I Andre	Iltispectral Vision System Based on Filter Wheel Cameras	67
Shupe Yuan Konst	W-cost integrated Electrical Resistance Tomography (ERT) system based on serial bus	73

Initial Clinical Validation of a Novel Microwave Apparatus for Testing Breast Integrity
12:20 - 13:20 Electrical Tomographic Imaging Techniques Room: Ballroom A Session Chair: Yixin Ma (Shanghai Jiao Tong University, P.R. China)
A New Symmetric Semi-parallel Electrical Impedance Tomography (EIT) System - II: The Performance
Coupling Simulation for Electrical Resistance Tomography Jiamin Ye (Chinese Academy of Sciences, P.R. China) Meng Wu (Chinese Academy of Sciences, P.R. China) Hanqiao Che (Chinese Academy of Sciences, P.R. China) Haigang Wang (Chinese Academy of Sciences, P.R. China) Wuqiang Yang (The University of Manchester, United Kingdom)
Effect of electrode-to-gap ratio on electrical capacitance tomography images
Monitoring Cleaning-In-Place by Electrical Resistance Tomography with Dynamic References
12:20 - 13:20 Pattern Recognition and Features Extraction Room: Ballroom B Session Chair: Nikolaos D. Doulamis (National Technical University of Athens, Greece)
Faster-Than-Real-Time Linear Lane Detection Implementation Using SoC DSP TMS320C6678

Localized Global Descriptors for Image Retrieval: An Extensive Evaluation on Adaptations to the Simple Model	242
Nektarios Anagnostopoulos (Klagenfurt University, Austria) Chryssanthi Iakovidou (Democritus University of Thrace, Greece) Savvas A Chatzichristofis (Democritus University of Thrace, Greece) Yiannis Boutalis (Democritus University of Thrace, Greece) Mathias Lux (Klagenfurt University, Austria)	. 312
FAST-MDL: Fast Adaptive Supervised Training of Multi-Layered Deep Learning Models for Consistent Object Tracking and Classification Nikolaos Doulamis (National Technical University of Athens, Greece) Athanasios Voulodimos (National Technical University of Athens, Greece)	. 318
Low-cost Multi-spectral Face Imaging for Robust Face Recognition Narayan Vetrekar (Goa University, India) Raghavendra Ramachandra (Norwegian Biometrics Laboratory, Norway) Rajendra Soiru Gad (Goa University, India)	. 324
14:30 – 15:30 Room: Ballroom A Keynote: Computer Vision in Medical Imaging and Measurements: Making Sense of Visual Data Jacob Scharcanski, UFRGS - Federal University of Rio Grande do Sul, Brazil	
15:30 - 16:45 Emerging Imaging Techniques Room: Ballroom A Session Chair: Matteo Pastorino (University of Genoa, Italy)	
Brain Stroke Detection by Microwave Imaging Systems: Preliminary Two-Dimensional Numerical Simulations Igor Bisio (University of Genoa, Italy) Alessandro Fedeli (University of Genoa, Italy) Fabio Lavagetto (University of Genoa, Italy) Giulio Luzzati (University of Genoa, Italy) Matteo Pastorino (University of Genoa, Italy) Andrea Randazzo (University of Genoa, Italy) Emanuele Tavanti (University of Genoa, Italy)	. 330
Further Investigations on the Capabilities of Inverse Scattering Procedures to Recover Velocity Profiles of Cylinders Moving in the Axial Direction Massimo Brignone (University of Genoa, Italy) Alessandro Fedeli (University of Genoa, Italy) Gian Luigi Gragnani (University of Genoa, Italy) Matteo Pastorino (University of Genoa, Italy) Mirco Raffetto (University of Genoa, Italy) Andrea Randazzo (University of Genoa, Italy)	
A Self-Similar and Sparse Approach for Spectral Mosaic Snapshot Recovery	. 341
Reconstruction of Temperature Distribution for Swirling Flames Using One-dimensional TDLAS Tomography Chang Liu (Beihang University, P.R. China) Lijun Xu (Beihang University, P.R. China) Zhang Cao (Beihang University, P.R. China) Fangyan Li (Beihang University, P.R. China) Yuzhen Lin (Beihang University, P.R. China)	. 346

Model-based Image Reconstruction for Electrical Capacitance Tomography with a Prior Calculated Database
Marco Antonio Rodriguez Frias (University of Manchester, United Kingdom) Wuqiang Yang (University of Manchester, United Kingdom)
15:30 - 16:45 Efficient Characterization and Detection Techniques Room: Ballroom B Session Chair: Anastasia Pampouchidou (University of Burgundy, France)
Automated Characterization of Mouth Activity for Stress and Anxiety Assessment 356 Anastasia Pampouchidou (University of Burgundy, France) Matthew Pediaditis (Foundation for Research & Technology - Hellas, Greece) Franco Chiarugi (Foundation for Research & Technology - Hellas, Greece) Kostas Marias (Foundation for Research & Technology - Hellas, Greece) Panagiotis Simos (School of Medicine, University of Crete, Greece) Fan Yang (University of Burgundy, France) Fabrice Meriaudeau (University of Burgundy, France & Universiti Teknologi Petronas, Malaysia) Manolis Tsiknakis (Foundation for Research & Technology - Hellas & Technical Educational Intitute of Crete Greece)
Qualitative and Quantitative Determination of Oil Base Mud Using Non-Negative Matrix Factorization
Smartphone-based Urine Strip Analysis
Internet-Connected High-Throughput and High-Resolution Three-Dimensional Tissue Scanner to Enable Large-Scale Automated Histology
Hyperspectral Imaging and Spectral Classification for Assisting in Vivo Diagnosis of Melanoma Precursors: Preliminary Results Obtained From Mice

Session Chairs: Dimitris K Iakovidis (University of Thessaly, Greece) Michalis Zervakis (Technical University of Crete, Greece)	
A Surrogate Channel Based Analysis of EEG Signals for Detection of Epileptic Seizure Saqib Ejaz Awan (National University of Sciences & Technology (NUST), Pakistan) Sajid Gul Khawaja (National University of Sciences and Technology (NUST), Pakistan) Muazzam A. Khan (National University of Sciences & Technology (NUST), Pakistan) Muhammad Usman Akram (National University of Sciences & Technology (NUST), Pakistan)	384
3D Modelling of Cultural Heritage Objects From Photos Posted over the Twitter	389
Hyperspectral Selection Based Algorithm for Plant Classification Ali Alsuwaidi (University of Manchester, United Kingdom) Charles Veys (University of Manchester, United Kingdom) Martyn Hussey (University of Manchester, United Kingdom) Bruce Grieve (University of Manchester, United Kingdom) Hujun Yin (University of Manchester, United Kingdom)	395
Drunk Person Identification Using Local Difference Patterns	401
Supervised Learning for Out-of-Stock Detection in Panoramas of Retail Shelves Luís Rosado (Fraunhofer AICOS, Portugal) João Gonçalves (Fraunhofer AICOS, Portugal) João Costa (Fraunhofer AICOS, Portugal) David Ribeiro (Fraunhofer AICOS, Portugal) Filipe Soares (Fraunhofer AICOS, Portugal)	406
Fast visual part inspection for bin picking Nikolaos Rofalis (Aalborg University, Denmark) Anders Olesen (Technical University of Denmark, Denmark) Michael Jakobsen (Technical University of Denmark, Denmark) Volker Krüger (Aalborg University, Denmark)	412
Applying Online Feature Selection for Fall Detection Donghui Wu (Dalian University of Technology, P.R. China) Zhelong Wang (Dalian University of Technology, P.R. China)	418
Real Time Measurements for Quality Control of Industrial Rod Manufacturing	423
A Quantitative Error Measure for the Evaluation of Roof Edge Detectors Baptiste Magnier (Ecole des Mines d'Al`es, France) Alexandre Le (Ecole des Mines d'Al`es, France) Albert Zogo (Ecole des Mines d'Al`es, France)	429

17:00 - 18:40 Poster Session

Multimodal Affective State Recognition in Serious Games Applications
A hybrid shape constraint for level set-based active contours
Ines Sakly (University of Manouba, Tunisia)
Mohamed Amine Mezghich (University of Manouba,Tunisia) Slim M'hiri (University of Manouba,Tunisia)
Faouzi Ghorbel (University of Manouba, Tunisia)
Imaging methods provide crucial understanding of the uptake and distribution processes of biodegradable
ZnO doped Eu3+ nanoparticles in living organism
Ewelina Wolska - Kornio (Polish Academy of Sciences, Poland)
Jarosław Kaszewski (Polish Academy of Sciences, Poland) Bartłomiej Witkowski (Polish Academy of Sciences, Poland)
Marek Godlewski (Polish Academy of Sciences, Poland)
Paula Kiełbik (Warsaw University of Life Sciences – SGGW, Poland)
Mikolaj A. Gralak (Warsaw University of Life Sciences – SGGW, Poland)
Zdzisław Gajewski (Warsaw University of Life Sciences – SGGW, Poland)
Michal M. Godlewski (Warsaw University of Life Sciences – SGGW, Poland)
A New Approach in Image Registration
Constantinos Spanakis (Technical University of Crete & Foundation for Research and Technology, Greece)
Emmanuel Mathioudakis (Technical University of Crete, Greece)
Nikos Kampanis (Foundation for Research and Technology, Greece) Manolis Tsiknakis (Foundation for Research and Technology/Technological Educational Institute of Crete,
Greece)
Kostas Marias (Foundation for Research and Technology, Greece)
17:00 - 17:45
Image Analysis and Processing III
Room: Ballroom B
Session Chair: George Livanos (Technical University of Crete)
Reduction of Building Façade Model Complexity using Computer Vision454
Vasileios Paravolidakis (Technical University of Crete, Greece)
Konstantinos Bacharidis (Technical University of Crete, Greece)
Froso Sarri (Technical University of Crete, Greece)
Lemonia Ragia (Technical University of Crete, Greece) Michalis Zervakis (Technical University of Crete, Greece)
Wilchaus Zervakis (Technical Offiversity of Crete, Greece)
A Hybrid Algorithm for Dense Stereo Correspondences in Challenging Indoor Scenes
Stavros Georgousis (National Technical University of Athens, Greece)
Christos Stentoumis (National Technical University of Athens, Greece)
Nikolaos D. Doulamis (National Technical University of Athens, Greece) Athanasios Voulodimos (National Technical University of Athens, Greece)
Weed Recognition Framework for Robotic Precision Farming
Tsampikos Kounalakis (Aalborg University, Denmark) Georgios Triantafyllidis (Aalborg University, Denmark)
Lazaros Nalpantidis (Aalborg University, Denmark)

Thursday, October 6

09:00 - 10:00 Medical Diagnostics Techniques II
Room: Ballroom A Session Chair: Katerina Nikiforaki (Foundation for Research and Technology – Hellas (FORTH), Greece)
Classification of Vessels as Arteries Verses Veins Using Hybrid Features for Diagnosis of Hypertensive Retinopathy
Assessment of Papilledema Using Fundus Images
Semi-and-Automatic Wheal Measurement System for Prick Test Digital Imaging and Analysis
Addressing Intravoxel Incoherent Motion Challenges Through an Optimized Fitting Framework for Quantification of Perfusion
09:00 - 10:00 Image Segmentation Room: Ballroom B Session Chair: Sevastianos Chatzistergos (National Technical University of Athens, Greece)
An Improved OTSU's Method for CT Image Boundary Contour Extraction

Mammary Gland Segmentation Using Intensity Correction for Brightness Attenuation in Breast Ultrasound Image
Yudai Yamazaki (University of Tsukuba, Japan)
Eiichi Takahashi (National Institute for Advanced Industrial Science and Technology, Japan)
Masaya Iwata (National Institute of Advanced Industrial Science and Technology, Japan)
Hirokazu Nosato (National Institute of Advanced Industrial Science and Technology, Japan) Ayumi Izumori (Takamatsu Heiwa Hospital, Japan)
Takuji Iwase (The Center Institute Hospital of The Japanese Foundation for Cancer Research, Japan) Yumi Kokubu (The Center Institute Hospital of The Japanese Foundation for Cancer Research, Japan) Hidenori Sakanashi (National Institute of Advanced Industrial Science and Technology, Japan)
Pectoral muscle segmentation on mammographic images based on radial lengths
Sevastianos Chatzistergos (National Technical University of Athens, Greece) Ioannis Andreadis (National Technical University of Athens, Greece)
Konstantina S Nikita (National Technical University of Athens, Greece
Weakly-Supervised Convolutional Learning for Detection of Inflammatory Gastrointestinal Lesions
Dimitris K lakovidis (University of Thessaly, Greece) Michael Vasilakakis (University of Thessaly, Greece)
Vassilis Plagianakos (University of Thessaly, Greece)
Anastasios Koulaouzidis (The Royal Infirmary of Edinburgh, United Kingdom)
10.00 10.15
10:00 - 10:45 Quantitative Imaging
Room: Ballroom A
Session Chair: Cesare Svelto (Polytechnic of Milan, Italy)
Overtification of Ocale hadrets Board on Ocean hadrets for TLO Tools have Ocean acceptant and of
Quantification of Carbohydrate Based on Scan Image Analysis for TLC Technique Compensating Lack of Spot Overlaps
Spot Overlaps
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Spot Overlaps
Spot Overlaps
Spot Overlaps
Spot Overlaps
Spot Overlaps
Spot Overlaps
Spot Overlaps

A methodology and a software tool for 3D reconstruction of coronary and carotid arteries and atherosclerotic plaques	537
Antonis Sakellarios (Institute of Molecular Biology and Biotechnology, FORTH, Greece) George Rigas (Institute of Molecular Biology and Biotechnology, FORTH, Greece) Themis Exarchos (Institute of Molecular Biology and Biotechnology, FORTH, Greece) Dimitris Fotiadis (Institute of Molecular Biology and Biotechnology, FORTH, Greece)	
Image Reconstruction with Different Sensitivity Maps Generated with Different Background	543
A visualization system for histological image annotation and 3D reconstruction of parametric geometries of the inner ear	
Antonis Sakellarios (University of Ioannina, Greece) Nikolaos Tachos (University of Ioannina, Greece)	
George Rigas (University of Ioannina, Greece)	
Thanos Bibas (University of Athens, Greece and University College of London, United Kingdom) Dimitris Fotiadis (FORTH, University of Ioannina, Greece)	
3 - · · · · · · · · · · · · · · · · · ·	554
Athanasios Voulodimos (National Technical University of Athens, Greece) Nikolaos Doulamis (National Technical University of Athens, Greece)	
Anastasios Doulamis (National Technical University of Athens, Greece)	
Constantinos Lalos (National Technical University of Athens, Greece) Christos Stentoumis (National Technical University of Athens, Greece)	
Author Index	560