

3DTV CON 2007

CAPTURE, TRANSMISSION AND DISPLAY OF 3D VIDEO
7-9 MAY 2007, KICC CONFERENCE CENTER, KOS ISLAND, GREECE

PROGRAM

	Monday 7 May		Tuesday 8 May		Wednesday 9 May	
	ROOM A	ROOM B	ROOM A	ROOM B	ROOM A	ROOM B
9:00-9:45	TALK: "10 years of 3D video and telepresence", Kostas Daniilidis, University of Pennsylvania, US		TALK: "The Language of Action: a new tool for 3DTV", Yiannis Aloimonos, University of Maryland, US		TALK: "From Intelligent Content to Actionable Knowledge - The future activities in FP7" Albert Gauthier, DG Information Society, EU	
9:45-10:00	coffee break		coffee break		coffee break	
10:00-11:45	3D data coding	3D motion animation	Multi-view image and 3D data processing I	Display technologies for 3D video	3D Capture	Multi-view calibration and 3D registration
11:45-13:30	Multi-view video coding I	Holographic display technology	Multi-view image and 3D data processing II	Augmented reality and virtual environments	Dense stereo and 3D reconstruction	3D TV Systems and architecture
13:30-14:30	lunch break		lunch break		lunch break	
14:30-15:15	TALK: "Status report on 3D for the Cinema – Issues and Opportunities", Matthew Cowan Chief Scientific Officer, REAL D, US		Tutorial: "Theory and Practice of Sampling and Reconstruction of Multi-dimensional Signals", Atanas Gotchev, Institute of Signal Processing, Tampere University of Technology, FI	Special Session I: "Perceptual Factors in 3D TV", Anup Basu, University of Alberta, CA and Xenophon Zabulis, Centre for Research and Technology Hellas, GR	Tutorial: "Mathematical Fundamentals for Computer Graphics and Computer Vision", Vaclav Skala, University of West Bohemia, CZ	Special Session II: "3D Multimodal Interfaces: Applications on Edutainment, Medicine and Disabled", Dimitrios Tzovaras, Centre for Research and Technology Hellas, GR
15:15-16:00	Poster Sessions I and II					
16:00-16:15	coffee break		coffee break		coffee break	
16:15-17:45	Tutorial: "Three-dimensional Video and Smart, Interactive Displays", Stephan Wurmlin, ETH Zurich and LiberoVision and Markus Gross and Daniel Cotting, ETH Zurich, CH	Multi-view video coding II	Tutorial: "Compression for 3DTV - with special focus on MPEG standards", Aljoscha Smolic, Fraunhofer-Institut für Nachrichtentechnik Heinrich-Hertz-Institut, DE	Signal processing for diffraction and holographic 3DTV	Tutorial: "Cell BE Technology: Its applications to computer vision", Duc Vianney, IBM STG Development, Cell Ecosystem & Solutions Enablement, US and Michael Paolini, IBM STG Strategic Growth Business Development, US	
	welcome reception		banquet			

Monday - ROOM A - 10:00-11:45**3D data coding**

Submission ID	Title	Authors	Contact Affiliation	Country
61	Connectivity-guided adaptive lifting transform for Image like compression of meshes	Kivanc Kose, Ahmet Enis Cetin, Ugur Gudukbay and Levent Onural	Bilkent University	Turkey
60	Model-Based Coding Of 3D Head Sequences	Lorenzo Granai, Theodore Vlachos, Miroslav Hamouz, J. Rafael Tena and Thomas Davies	University of Surrey	United Kingdom
79	Scalable Linear Predictive Coding of Time-Consistent 3D Mesh Sequences	Nikolce Stefanoski, Xiaoliang Liu, Patrick Klie and Jörn Ostermann	Universität Hannover	Germany
19	CODDYAC: Connectivity Driven Dynamic Mesh Compression	Libor Vása and Václav Skala	University of West Bohemia	Czech Republic
113	Multiple Description Coding of 3D Geometry with Forward Error Correction Codes	M. Oguz Bici, Andrey Norkin, Gozde Bozdagi Akar, Atanas Gotchev and Jaakko Astola	Middle East Technical University	Turkey
104	Data Compression Of Integral Images For 3D TV	Amar Aggoun and Mohamad Tabit	Brunel University	United Kingdom

Monday - ROOM B - 10:00-11:45**3D motion animation**

Submission ID	Title	Authors	Contact Affiliation	Country
7	Practical and Realistic Animation of Cloth	Serkan Bayraktar, Ugur Gudukbay and Bulent Ozguc	Bilkent University	Turkey
8	Motion Control for Realistic Walking Behavior Using Inverse Kinematics	Aydemir Memisoglu, Ugur Gudukbay and Bulent Ozguc	Bilkent University	Turkey
28	Comparison of Phoneme and Viseme Based Acoustic Units for Speech Driven Realistic Lip Animation	Elif Bozkurt, Cigdem Eroglu Erdem, Engin Erzin, Tanju Erdem and Mehmet Ozkan	Momentum A.S.	Turkey
20	Video-Driven Animation Of Human Body Scans	Edilson de Aguiar, Rhaleb Zayer, Christian Theobalt, Marcus Magnor and Hans-Peter Seidel	MPI Informatik	Germany
38	A Non-Invasive Approach for Driving Virtual Talking Heads from Real Facial Movements	Gabriele Fanelli and Marco Fratarcangeli	University of Rome "La Sapienza"	Italy
74	A Framework for Scene-Flow Driven Creation of Time Consistent Dynamic 3D Objects Using Mesh Parametrizations	Patrick Klie, Eugen Okon, Nikolce Stefanoski and Jörn Ostermann	Institut für Informationsverarbeitung	Germany

Monday - ROOM A - 11:45-13:30**Multi-view video coding I**

Submission ID	Title	Authors	Contact Affiliation	Country
44	Parallel Encoding - Decoding Operation For Multiview Video Coding With High Coding Efficiency	Kemal Ugur, Hui Liu, Jani Lainema, Moncef Gabbouj and Houqiang Li	Nokia	Finland
12	Depth estimation for view synthesis in multiview video coding	Serdar Ince, Emin Martinian, Sehoon Yea and Anthony Vetro	Boston University	United States
77	Low Bit-Rate Object-based Multi-view Video Coding using MVC	Andreas Krutz, Michael Dröse, Matthias Kunter, Mrinal Mandal, Michael Frater and Thomas Sikora	TU Berlin	Germany
111	A Distributed Coding Based Extension Of A Mono-View To A Multi-View Video System	Marleen Morbee, Linda Tessens, Josep Prades-Nebot, Aleksandra Pizurica and Wilfried Philips	Ghent University	Belgium
78	Efficient Compression Of Multi-View Depth Data Based On MVC	Philipp Merkle, Aljoscha Smolic, Karsten Müller and Thomas Wiegand	Fraunhofer Institute for Telecommunications, Heinrich-Hertz-Institut	Germany

Monday - ROOM B - 11:45-13:30**Holographic display technology**

Submission ID	Title	Authors	Contact Affiliation	Country
83	Optical and holographic properties of nano-sized amorphous semiconductor films as a part of optically addressed spatial light modulator	Simeon Sainov, Ventseslav Sainov, Julita Dikova and Kostadin Beev	CLOSPI-BAS	Bulgaria
124	Basic Holographic Characteristics Of Panchromatic Light Sensitive Material For Reflective Auto Stereoscopic 3D Display	Tsveta Petrova, Branimir Ivanov, Kaloian Zdravkov, Dimana Nazarova, Elena Stoykova, Georgi Minchev and Ventseslav Sainov	CLOSPI-BAS	Bulgaria
128	Active Modification Of Reconstructed Wavefronts In Application Of Digital Comparative Holography	Christoph von Kopylow, Torsten Baumbach, Ervin Kolenovic, Wolfgang Osten and Jüptner Werner	BIAS	Germany
103	Developments for Underwater Remote Vision	Philip Benzie, Sun Hongyue, Burns Nicholas and Watson John	Aberdeen University	United Kingdom
39	Stereoscopic viewing of digital holograms of real-world objects	Taina Lehtimäki and Thomas Naughton	University of Oulu	Finland
88	Digital holography methods in 3DTV	Thomas Kreis	BIAS	Germany

Monday - ROOM A - 15:15-16:00**Poster Session I**

Submission ID	Title	Authors	Contact Affiliation	Country
119	Watermarking Tests For Free-View Point Television	Evlambios Apostolidis, Alper Koz and Georgios Triantafyllidis	CERTH	Greece
6	A Remote Virtual-Surgery Training and Teaching System	Jiann-der Lee, Tzu-yen Lan, Li-chang Liu, Shin-tseng Lee, Chien-tsai Wu and Brian Yang	Chang Gung University	Taiwan Province of China
46	A Low Cost 3D Tracker for Parallax Barrier Display	Giora Yahav, Thomas Reiner and SeungHyun Lee	Kwangwoon Univ.	Republic of Korea
59	An Architecture For Prototyping And Application Development Of Visual Tracking Systems	Mario Becker, Gabriele Bleser, Alain Pagani, Didier Stricker and Harald Wuest	Fraunhofer IGD	Germany
62	Robust Transmission Of Multi-View Video Streams Using Flexible Macroblock Ordering And Systematic LT Codes	Savvas Argyropoulos, Ahmet Serdar Tan, Nikolaos Thomos, Erdal Arikian and Michael G. Strintzis	CERTH	Greece
69	Computation-Free Motion Estimation With Inter-View Mode Decision For Multiview Video Coding	Li-Fu Ding, Pei-Kuei Tsung, Shao-Yi Chien, Wei-Yin Chen and Liang-Gee Chen	Graduate Institute of Electronics Engineering, National Taiwan University	Taiwan Province of China
81	Bit Allocation And Rate Control For Stereoscopic Video Coding	Zhongjie ZHU, Liang FENG, Gangyi JIANG and Qianwen ZHANG	Zhejiang Wanli University and Peking University	China
92	3d Scene Reconstruction System With Multiple Stereo Camera	SangUn Yoon, Dongbo Min, Hyoungchul Shin and Kwanghoon Sohn	Yonsei University	Republic of Korea
98	Traffic Monitoring Using Multiple Cameras, Homographies And Multi-Hypothesis Tracking	Alexandra Koutsia, Theodoros Semertzidis, Kosmas Dimitropoulos, Nikolaos Grammalidis, Antonis Kantidakis, Kyriakos Georgouleas and Petros Violakis	CERTH	Greece
97	3D Footwear Model Matching System Using Two Cameras	Da Un Jung, Yung Ho Seo and Jong-soo Choi	Graduate School of Advanced Imaging Science, Multimedia and Film, Chung-Ang University	Republic of Korea
109	A Smooth And Stable Fly-Through Scheme For Virtual Navigation Of 3D CT Colonography	Dehmeshki Jamshid and Amin Hamdan	University of Kingston	United Kingdom
70	AVC Based Stereoscopic Video Codec For 3D DMB	Hyoungjin Kwon, Sukhee Cho, Namho Hur, Jinwoong Kim and Soo-In Lee	ETRI	Republic of Korea
56	Multi-View Video And Multi-Channel Audio Broadcasting System	Kwan-Jung Oh, Manbae Kim, Jae Sam Yoon, Jongryool Kim, Ilkwon Park, Seungwon Lee, Cheon Lee, Jin Heo, Sang-Beom Lee, Pil-Kyu Park, Sang-Tae Na, JongWon Kim, Hyeran Byun, Hong Kook Kim and Yo-Sung Ho	GIST	Republic of Korea

Monday - ROOM B - 15:15-16:00**Poster Session II**

Submission ID	Title	Authors	Contact Affiliation	Country
90	Application And Evaluation Of A 2D+3D Face Authentication System	Filareti Tsalakanidou and Sotiris Malassiotis	CERTH	Greece
72	Evaluation Of 3DTV Service Using Asymmetric View Coding Based On MPEG-2	Hari Kalva, Lakis Christadoulou and Borko Furht	Florida Atlantic University	United States
80	Model Based Three Dimensional Television	Adrian Thomas	University of Sussex	United Kingdom
118	Planning Of A Multi Stereo Visual Sensor System Depth Accuracy And Variable Baseline Approach	Jiandan Chen, Siamak Khatibi and Wlodek Kulesza	University of Kalmar	Sweden
121	Free Viewpoint Image Generation Synchronized With Free Listening-Point Audio For 3-D Real Space Navigation	Norishige Fukushima, Tomohiro Yendo, Toshiaki Fujii and Masayuki Tanimoto	Graduate School of Engineering Nagoya University	Japan
22	Depth Map Quantization - How Much Is Sufficient?	Ianir Ideses, Leonid Yaroslavsky, Itai Amit and Barak Fishbain	Tel-Aviv University	Israel
23	Virtual Camera Control System For Cinematographic 3d Video Rendering	Hansung Kim, Ryuuki Sakamoto, Itaru Kitahara, Tomoji Toriyama and Kiyoshi Kogure	ATR	Japan
30	Interactive Multi-View Video And View-Dependent Audio Under MPEG-21 DIA (Digital Item Adaptation)	Ilkwon Park, Manbae Kim, Seungwon Lee, Young Han Lee, Hong Kook Kim, Jin-Woo Bae, Ji-Sang Yoo and Hyeran Byun	Kangwon National University	Republic of Korea
21	Effects Of Color-Multiplex Stereoscopic View On Memory And Navigation	Yalin Bastanlar, Deniz Canturk and Hacer Karacan	Middle East Technical University	Turkey
96	Multi-View Video Transport Using Application Layer Multicast With Delay And Delay Variation Constraints	Jongryool Kim, Kiho Choi, Hyunyoung Lee and JongWon Kim	GIST	Republic of Korea
93	Real-Time Photorealistic 3D Map Building Using Mobile Multiple Stereo Cameras Setup	Chayakorn Netramai and Hubert Roth	University of Siegen, Germany	Germany
123	A Depth Dependent Quality Metric For Evaluation Of Coded Integral Imaging Based 3D-Images	Roger Olsson and Märten Sjöström	Mid Sweden University	Sweden
10	3D TV Interface By An Intelligent Remote Controller	Min-Chul Park, Sung Kyu Kim and Jung-Young Son	KIST	Republic of Korea
34	Stereoscopic Video Generation Method Using Motion Analysis	Donghyun Kim, Dongbo Min and Kwanghoon Sohn	Yonsei University	Republic of Korea

Monday - ROOM B - 16:15-17:45**Multi-view video coding II**

Submission ID	Title	Authors	Contact Affiliation	Country
67	Asymmetric Coding of Stereoscopic Video for Transmission over T-DMB	Christoph Fehn, Peter Kauff, Sukhee Cho, Hyoungjin Kwon, Namho Hur and Jinwoong Kim	Fraunhofer Institute for Telecommunications	Germany
101	Error Resilient Layered Stereoscopic Video Streaming	A. Serdar Tan, Anil Aksay, Cagdas Bilen, Gozde Bozdagi Akar and Erdal Arıkan	Bilkent University	Turkey
94	Multi-view Video Coding via Dense Depth Estimation	Burak Özkalaycı, O. Serdar Gedik and A. Aydin Alatan	METU	Turkey
49	A Novel H.264/Avc Based Multi-View Video Coding Scheme	Akbar Sheikh Akbari, Nishan Canagarajah, David Redmill, David Bull and Dimitris Agrafiotis	University of Bristol	United Kingdom

Tuesday - ROOM A - 10:00-11:45**Multi-view image and 3D data processing I**

Submission ID	Title	Authors	Contact Affiliation	Country
116	Depth-Image Representation Employing Meshes for Intermediate-View Rendering and Coding	Dirk Farin, Rick Peerlings and Peter de With	Technical University Eindhoven	Netherlands
33	Self-Localization in Scanned 3DTV Sets	Philipp Jenke, Benjamin Huhle and Wolfgang Straßer	University of Tübingen	Germany
45	A Background Modeling Method With Simple Operations For 3D Video	Naobumi Nomura, Itaru Kitahara, Yoshinari Kameda and Yuichi Ohta	University of Tsukuba	Japan
100	Noninteger View Multiplexing For 3D Lenticular Display	Changhyun Kim and Jong Beom Ra	KAIST	Republic of Korea
102	Video Based Rendering Using Surfaces Patches	Andrew Mullins, Adam Bowen, Roland Wilson and Nasir Rajpoot	University of Warwick	United Kingdom
114	Wavelet Based Method For Joint Denoising Of Depth And Luminance Images	Ljubomir Jovanov	Ghent University	Belgium

Tuesday - ROOM B - 10:00-11:45**Display technologies for 3D video**

Submission ID	Title	Authors	Contact Affiliation	Country
11	"HoloVizio 3D Visualisation System"	Tibor Balogh, Peter Tamas Kovacs and Attila Barsi	Holografika Kft.	Hungary
26	Mid-Air Display For Physical Exercise And Gaming	Ismo Rakkolainen, Tanju Erdem, Bora Utku, Çigdem Erdem and Mehmet Özkan	Tampere Univ. of Tech.	Finland
66	Scanning Led Array Based Volumetric Display	Murat Sayinta and Hakan Urey	Koc University	Turkey
57	A New Multiple-Windows Depth From Stereo Algorithm For 3D Displays	Faysal Boughorbel	Philips Research Europe	Netherlands
122	Crosstalk measurement methodology for auto-stereoscopic screens	Atanas Boev, Atanas Gotchev and Karen Egiazarian	Tampere University of Technology	Finland

Tuesday - ROOM A - 11:45 - 13:30**Multi-view image and 3D data processing II**

Submission ID	Title	Authors	Contact Affiliation	Country
73	From 2D- to Stereo- to Multi-view Video	Sebastian Knorr, Aljoscha Smolic and Thomas Sikora	Technische Universität Berlin	Germany
25	Motion Segmentation For 3D Video Based On Spherical Registration	Toshihiko Yamasaki and Kiyoharu Aizawa	The University of Tokyo	Japan
52	Dimensionality Reduction For Articulated Body Tracking	Leonid Raskin, Ehud Rivlin and Michael Rudzsky	Technion Israel Institute of Technology	Israel
125	Harmonic Silhouette Matching For 3D Models	Ameesh Makadia, Mirko Visontai and Kostas Daniilidis	UPENN	United States
50	3d Content-Based Retrieval In Artwork Databases	David Gorisse, Matthieu Cord, Michel Jordan, Sylvie Philipp-Foliguet and Frédéric Precioso	Univ. Cergy-Pontoise	France
40	A Unified Graphics Rendering Pipeline For Autostereoscopic Rendering	Aravind Kalaiah and Tolga Capin	Bilkent University	Turkey

Tuesday - ROOM B - 11:45 - 13:30**Augmented reality and virtual environments**

Submission ID	Title	Authors	Contact Affiliation	Country
18	See Through HMD Type MF 3D Display For AR	Sung-Kyu Kim, Dong-Wook Kim, Min-Chul Park and Jung-Young Son	Korea Institute of Science and Technology	Republic of Korea
13	Immersive Haptic Eye Tele-Surgery Training Simulation	Xiaojun Shen, Abdelwahab Hamam, Francois Malric, Saeid Nourian, Naim El-Far and Nicolas Georganas	University of Ottawa	Canada
37	Augmented Reality Tools For Enhanced Robotic Teleoperation Systems	Henry Portilla and Luis Basañez	University of Pamplona	Spain
84	3D-Camera For Scene Capturing And Augmented Reality Applications	Thorsten Bothe, Achim Gesierich, Wansong Li, Christoph von Kopylow, Norbert Köpp and Werner Jüptner	BIAS	Germany
105	Computer Generated Content For 3D TV	Mahmod Eljdid, Amar Aggoun and Osama Youssef	Brunel University	United Kingdom

Tuesday - ROOM B - 14:30 - 16:00**Special Session I: "Perceptual Factors in 3D TV"**

Submission ID	Title	Authors	Contact Affiliation	Country
SS-1	A perceptually correct 3D model for live 3D TV	Yuichi Ohta, Itaru Kitahara, Yoshinari Kameda,	University of Tsukuba	Japan
SS-2	Mesh optimization guided by Just-Noticeable-Difference and Stereo Discretization	Irene Cheng and Kostas Daniilidis	University of Pennsylvania	USA
SS-3	Depth Perception under Motion and Stereo with Implications for 3D TV	Loong-Fah Cheong	National University of Singapore	Singapore
SS-4	Optimal Aspect Ratio for 3D TV	Irene Cheng and Anup Basu	University of Alberta	Canada
SS-5	A Rate Distortion Framework For 3D Browsing	Pietro Zanuttigh, Nicola Brusco, Guido M. Cortelazzo, David S. Taubman	University of Padova	Italy

Tuesday - ROOM B - 16:15 - 17:45**Signal processing for diffraction and holographic 3DTV**

Submission ID	Title	Authors	Contact Affiliation	Country
85	Noisy Phase Unwrap For Holographic Techniques: Adaptive Local Polynomial Approximations	Vladimir Katkovnik	Tampere University of Technology	Finland
27	Full-Parallax Hologram Synthesis Of Triangular Meshes Using A Graphical Processing Unit	Ivo Hanák, Martin Janda and Václav Skala	University of West Bohemia	Czech Republic
29	HPO Hologram Synthesis for Full-parallax Reconstruction Setup	Martin Janda, Ivo Hanák and Václav Skala	University of West Bohemia	Czech Republic
65	Reconstruction of Scalar Diffraction Field from Distributed Data Points Over 3D Space	G. Bora Esmer, Vladislav Uzunov, Levent Onural, Atanas Gotchev and Haldun M. Ozaktas	Bilkent University	Turkey
120	Bessel Functions - Based Reconstruction of Non-uniformly Sampled Diffraction Fields	Vladislav Uzunov, Gokhan Bora Esmer, Atanas Gotchev, Levent Onural and Haldun Ozaktas	Tampere University of Technology	Finland
127	Compact Lateral Shearing Interferometer to Determine Smooth Wave Fronts	Claas Falldorf, Christoph Kopylow and Werner Jueptner	BIAS	Germany

Wednesday - ROOM A - 10:00-11:45**3D Capture**

Submission ID	Title	Authors	Contact Affiliation	Country
17	Shape from Unstructured Light	Anner Kushnir and Nahum Kiryati	Tel-Aviv University	Israel
15	Depth Image Processing Technique For Representing Human Actors In 3dtv Using Single Depth Camera	Ji-Ho Cho, In-Yeop Chang, Seung-man Kim and Kwan Heng Lee	GIST	Republic of Korea
43	Pattern Projection With A Sinusoidal Phase Grating	Elena Stoykova, Jana Harizanova and Ventseslav Sainov	CLOSPI-BAS	Bulgaria
108	A Robust Free-Viewpoint Video System For Sport Scenes	Oliver Grau	BBC	United Kingdom
89	Integrating 3D Time-Of-Flight camera data and high resolution images for 3DTV applications	Benjamin Huhle, Sven Fleck and Andreas Schilling	University of Tuebingen	Germany
24	Mutual Information In 3D Video	Jianfeng Xu, Toshihiko Yamasaki and Kiyoharu Aizawa	The University of Tokyo	Japan

Wednesday - ROOM B - 10:00-11:45**Multi-view calibration and 3D registration**

Submission ID	Title	Authors	Contact Affiliation	Country
68	Exploiting Homologies in Global Calibration of a Multi-imager Array	Harlyn Baker and Zeyu Li	Hewlett-Packard Laboratories	United States
76	Partial Overlap Stereo	Lorenzo Sorgi	Italian Aerospace Research Centre	Italy
86	Beam Based Calibration For Optical Imaging Device	Wansong Li, Michael Schulte, Thorsten Bothe, Christoph von Kopylow, Norbert Köpp and Werner Jüptner	VEW - Vereinigte Elektronikwerkstätten Bremen	Germany
107	Non parametric distortion correction in endoscopic medical images	João P. Barreto, Rahul Swaminathan and Jose Roquette	University of Coimbra.	Portugal
16	Large Scale 3D Environmental Modelling for Stereoscopic Walk-Through Visualisation	Nghia Ho and Ray Jarvis	Monash University	Australia
51	Data Processing In 3D Video System Based On Data From Structer Light Measurement System	Piotr Garbat	Institute of Microelectronics and Optoelectronics, Warsaw Univ. of Technology	Poland

Wednesday - ROOM A - 11:45-13:30**Dense stereo and 3D reconstruction**

Submission ID	Title	Authors	Contact Affiliation	Country
48	A Real-Time Image-Based Rendering Framework	Christian Weigel, Stefan Werner and Peter Schübel	Technische Universität Ilmenau	Germany
82	Segment-Based Stereo-Matching Via Plane And Angle Sweeping	Cevahir Çigla, Xenophon Zabulis and A. Aydin Alatan	M.E.T.U.	Turkey
75	Modulating the size of backprojection surface patches, in volumetric stereo, for increasing reconstruction accuracy and robustness	Xenophon Zabulis and Georgios Floros	CERTH	Greece
99	High-Speed Dense Stereo via Directional Center-Biased Support Windows on Programmable Graphics Hardware	Jiangbo Lu, Sammy Rogmans, Gauthier Lafruit and Francky Catthoor	Multimedia Group, IMEC	Belgium
58	Finding Two Optimal Positions Of A Hand-Held Camera For The Best Object Reconstruction	Benjamin ALBOUY, Sylvie TREUILLET and Yves LUCAS	University of Clermont 1	France
106	Piecewise Planar 3-D Reconstruction in Rate-Distortion Sense	Evren Imre, Ugur Güdükbay and A. Aydin Alatan	METU	Turkey

Wednesday - ROOM B - 11:45-13:30**3D TV Systems and architecture**

Submission ID	Title	Authors	Contact Affiliation	Country
32	3DTV System Using New Depth Image-based Videos In The MPEG-4 Multimedia Framework	Sung-Yeol Kim, Jongeun Cha, Seung-Hyun Lee, Jeha Ryu and Yo-Sung Ho	Gwangju Institute of Science and Technology	Republic of Korea
64	A 3D Videoconferencing System With 2D Backwards Compatibility	Jose Luis Landabaso, Tommaso Mansi, Carlos Molina, Ken Zangelin, Pablo Enfedaque, Jacob Cañadas and Leonardo Lizcano	Telefonica Investigacion y Desarrollo	Spain
35	A Structure For 2D/3D Mixed Service Based On Terrestrial Dmb System	Hyun Lee, Kugjin Yun, Namho Hur, Jinwoong Kim, Bu Cheon Min and Joong Kyu Kim	ETRI	Republic of Korea
63	Produced Quality Is Not Perceived Quality - A Qualitative Approach To Overall Audio Visual Quality	Satu Jumisko-Pyykkö, Ulrich Reiter and Christian Weigel	Tampere University of Technology	Finland
87	Human Perception Of Asymmetrical 3-D Inputs	Changwoo Ha, Wanjae Lee, Soonjong Jin and Jechang Jeong	Hanyang University	Republic of Korea

Wednesday - ROOM B - 14:30-16:00**Special Session II: "3D Multimodal Interfaces: Applications on Edutainment, Medicine and Disabled"**

Submission ID	Title	Authors	Contact Affiliation	Country
SS-6	3D-Reconstruction Of Soccer Scenes	Cornelius Malerczyk	ZGDV e.V. Computer Graphics Center	Germany
SS-7	Robust 2D/3D Face Landmarking	Hatice Çınar Akakin, Bülent Sankur	Bogaziçi University	Turkey
SS-8	A Multimodal 3D Healthcare Communication System	Cem Keskin, Koray Balci, Oya Aran, Lale Akarun	Bogaziçi University	Turkey
SS-9	Haptic Access To Conventional 2D Maps For The Visually Impaired	Konstantinos Kostopoulos, Konstantinos Moustakas, Dimitrios Tzovaras, Georgios Nikolakis	CERTH	Greece