

IADIS International Conference

Computer Graphics, Visualization, Computer Vision and Image Processing 2009

PRELIMINARY CONFERENCE PROGRAM

Saturday 20th, June 2009

08:30-17:00 Welcome Desk

**09:30-10:00 Session O – Opening Session
(Room: Carvoeiro)**

OPENING SESSION

Prof. Pedro Isaías, Prof. Yingcai Xiao, Prof. Piet Kommers and Prof. Tomaz Amon

**10:00-11:00 Session KL1 – Keynote Presentation (1)
(Room: Carvoeiro)**

VIRTUAL CITYSCAPES: CHALLENGES AND OPPORTUNITIES

Ming C. Lin, University of North Carolina, USA

11:00-11:30 Coffee Break

**11:30-12:30 Session KL2 – Keynote Presentation (2)
(Room: Carvoeiro)**

VIRTUAL TRY ON THE WEB

Professor Nadia Magnenat-Thalmann, Director Of Miralab / C.U.I., University Of Geneva, Switzerland virtual Try On The Web

13:00-14:30 Lunch Break

**14:30-16:50 Session FSP 20.1
Image Processing // Computer Vision
(Room: Carvoeiro)**

IMPROVING THE ACCURACY OF POSITION DETECTION OF POINT LIGHT SOURCES ON DIGITAL IMAGES (1_F077)

Thilo Bauer

DETECTION OF ROAD IN A HIGH RESOLUTION IMAGE USING A MULTICRITERIA DIRECTIONAL OPERATOR (1_F078)

M. Naouai, A. Hamouda and C. Weber

AN ANALYSIS OF MEDICAL IMAGE PROCESSING METHODS FOR SEGMENTATION OF THE INNER EAR (1_S021)

Catherine Todd, Mikhail Kirillov, Muaaz Tarabichi, Fazel Naghdy and Golshah Naghdy

RAGDOLLS IN ACTION – ACTION RECOGNITION BY 3D POSE RECOVERY FROM MONOCULAR VIDEO (1_S053)

Verena Klingner and Michael Arens

EFFECTIVE SOUND-VISION SUBSTITUTION SYSTEM GUIDED BY SALIENT REGIONS (1_S032)

Codruta O. Ancuti, Cosmin Ancuti and Philippe Bekaert

TEXTURE ANALYSIS FOR THE ADAPTION OF CORRELATION WINDOWS IN STEREO CORRESPONDENCE (1_S034)

Dominik M. Aufderheide, Markus Steffens, Stephan Kieneke, Werner Krybus, Christine Kohring and Danny Morton

14:30-16:30 Session FSP 20.2

**User-interface paradigms and interaction methods // Interactive 3D graphics and immersive systems Computer Vision // Other
(Room: Vila Lagoa)**

VIRTUAL DOMOTIC SYSTEMS: A NEW 3D MULTI-USER, HIGHLY IMMERSIVE AND INTUITIVE INTERFACE FOR RESIDENTIAL GATEWAYS (2_F032)

Carmen Lastres Redondo, Francisco Javier Luque Cañones, Francisco Pedro Luque Oostrom, Iris Galloso Guitard, Asunción Santamaría Galdón and Jordi Muria Portillo

GESTURE BASED INTERACTION MODEL FOR USE IN AUGMENTED REALITY ENVIRONMENTS (2_F021)

Ming-Jen Wang and Kuen-Meau Chen

GAZE-BASED FOCUS ADAPTION IN AN INFORMATION VISUALIZATION SYSTEM (2_S024)

Marc Streit, Alexander Lex, Heimo Müller and Dieter Schmalstieg

PRACTICAL EXPERIENCE OF AN IMMERSIVE SYSTEM TO TEACH HUMAN ANATOMY (2_S033)

R.J. Segura, J.R. Jiménez, C.J. Ogayar, Á.L. García, J.M. Noguera

AUTOMATIC HOLE DETECTION AND REMOVAL IN POLYGONAL MODELS (2_S031)

Sergey V. Bederov

14:30-17:30 Session FP 20.3

**Persuasive Communication // Psychology // Journalism, Documentary and Autonomous
(Room: Alfanzina)**

CULTIVATING HOSTS: THE DEVELOPMENT AND USE OF ICONS IN MULTI-STEP VIRAL MARKETING CAMPAIGNS OF MOVIE FRANCHISES (3_F028)

Rocio Núñez

NONVERBAL ELEMENTS OF NEWS SOURCE AND THEIR INFLUENCE OVER INFORMATION PROCESSING: BASED ON EYE MOVEMENT WHEN EXPOSED TO NEWSCASTER'S COSTUME AND ACCESSORIES (3_F033)

Mahnwoo Kwon, Hyeryung Kim and Soyoung Bae

RATE CONTROLLING ENHANCEMENT BY WELL-PREDICTED RATE-ABUNDANCE PARAMETER IN H.264/AVC VIDEO CODING (3_F038)

Din-Yuan Chan, Siang-Wei Ji and Ling-Yu Liao

VISUALITY AS THE OBJECT OF ANALYSIS (3_F034)

Tapani Huovila

WHO'S IN THE PICTURE ABOUT WAR? A CONTENT ANALYSIS OF REPORTS ON THE GAZA-CRISIS 2009 IN FOUR NEWS MEDIA (3_F037)

Karin Döbernick, Katharina Lobinger and Irmgard Wetzstein

RESEARCH ON THE FEATURES OF ANIMA: AN EXPRESSIVE FACTOR OF BRAND IDENTITY (3_F035)

Timothy Yoonsuk Lee and Jisung Ahn

Sunday 21st, June 2009

08:30-17:00 Welcome Desk

09:00-10:40 Session FSP 21.1

Web3D in education, health and energy // Virtual Reality
// Other

(Room: Carvoeiro)

DINOSVIRTUAIS: INTERNET VIRTUAL EXHIBITION OF FOSSIL VERTEBRATES (2_F035)

Marcos Monnerat, Pedro Romano, Orlando Grillo, Cristina Haguenaer, Sergio Azevedo and Gerson Cunha

EXPLORING THE KNOWLEDGE LEAKAGE RISKS ASSOCIATED WITH THE DESIGN AND DEVELOPMENT OF VIRTUAL REALITY ENVIRONMENTS: A CASE STUDY (2_F030)

Fenio Annansingh and Miguel Baptista Nunes

DISSEMINATING 3D GRAPHICS AND WEB VIRTUAL REALITY KNOWLEDGE THROUGH PRIMARY EDUCATION INTERACTIVE LEARNING ACTIONS (2_S040)

Jorge Ferreira Franco and Roseli de Deus Lopes

HIGHER ORDER SHAPE REPRESENTATIONS FOR INCREASED QUALITY OF EXPERIENCE IN 3D INTERNET (2_S041)

Tor Dokken, Michal Koziuk, Lukasz Kwoska, Andre Stork and Ewald Quak

09:00-10:00 Session FSRP 21.2

Computer Graphics // Other Related Topics

(Room: Alfanzina)

BQ-RTREE: A R-TREE DATA STRUCTURE IMPROVED BY A SPATIAL PARTITION IN QUADTREE (1_F020)

J.L. Pina, E. Cerezo and F. Seron

AUTOMATED CAMERA MANAGEMENT BASED ON EMOTIONAL ANALYSIS OF THE FILM SCRIPT (1_F045)

Jorge Carrillo de Albornoz and Pablo Gervás

10:15-11:00 Poster Session (1P)

(Room: Alfanzina)

ON-LINE VISUALIZATION TOOL FOR GRID-BASED APPLICATIONS (1_P046)

Eva Pajorová

TACIT VISUALISATION OF AN ELECTRICAL TRANSMISSION NETWORK OFF COMPUTER DISPLAYS (1_P065)

Panagiotis Lazanas

PHOTOMETRIC REGISTRATION IN AUGMENTED REALITY APPLICATIONS WITH REALTIME IMAGE-BASED LIGHTING (1_P074)

Rafael Radkowski and Matthias Linnemann

11:00-11:30 Coffee Break

11:30-13:05 Session FSRP 21.3

Visualization

(Room: Alfanzina)

VIZSCHEMA – VISUALIZATION INTERFACE FOR SCIENTIFIC DATA (1_F043)

Svetlana Shasharina, John R. Cary, Seth Veitzer, Paul Hamill, Scott Kruger, Marc Durant and David A. Alexander

VISUAL EVALUATION OF DOWNSAMPLING FILTERS IN RESPECT OF THE TOPOLOGY OF SCALAR FIELDS (1_F052)

Martin Kraus

FLOATING LABELS: IMPROVING DYNAMICS OF INTERACTIVE LABELING APPROACHES (1_S068)

Hilko Cords, Martin Luboschik and Heidrun Schumann

DIFFERENCES IN REAL AND VIRTUAL ILLUMINATION SCENARIOS (1_R029)

Jördis J. Därr, Mario Cappitelli and Michael Olbert

11:30-13:25 Session FSRP 21.4

Visual Communication // Visual / Subliminal Perception // Other

(Room: Bogarts)

FOOD DEFINES US: A VISUAL DISCOVERY OF SINGAPORE'S GASTRONOMICAL CULTURE (3_F030)

Kok Cheow Yeoh and Adeline Ong

YOUTH REPORT SEEING LESS SEXUAL CONTENT IN MOVIES THAN DO CONTENT ANALYSTS AND THE MOTION PICTURE ASSOCIATION OF AMERICA (3_F025)

Sarah A. Parvanta, Amy Jordan and Jennifer Manganello

THE USE OF A PLASTIC LENS TO REPLICATE THE AESTHETIC OF THE REMEMBERED IMAGE (3_S024)

Victoria Hill

COMPUTER TOOLS FOR MATHEMATICS LEARNING IN ARCHITECTURE AND DESIGN EDUCATION (3_S041)

Susana Toscano, Cecilia Cei, Mabel Trozzoli, Enrique Javier Núñez, Diego Petrate

'DICTEE', META-FICTION OF EXPATRIATE WOMAN ARTIST (3_R039)

Jiha Kim and Timothy Yoonsuk Lee

13:00-14:30 Lunch Break

14:30-15:30 Session KL3 – Keynote Presentation (3)

(Room: Alfanzina)

THE PHOTOGRAPHIC MOMENT, A VISUAL EXPERIENCE

Professor Roberto Muffoletto, Coordinator New Media & Global Education, College of Education Appalachian State University, USA

15:30-16:30 Session SP 21.5

Geometric Modeling

(Room: Alfanzina)

EFFECTIVE UNIFORM MESH PARAMETERIZATION FOR BOUNDARY COMPLEX MODELS (1_S023)

Fei Zheng and Mei Chen

COMPRESSION OF DYNAMIC 3D MESHES WITH STRUCTURING BY ACQUIRING SURROUNDING VERTICES AND WAVELET TRANSFORM (1_S061)

Kei Sakuragi, Shuji Watanabe and Akira Kawanaka

GEOMETRICAL ASPECTS OF WOOD AGING BASED ON 3GMAP L-SYSTEM GROWTH MODEL (1_S071)

Cyril Lam, Olivier Terraz, Nadir Benmounah and Djamchid Ghazanfarpour

17:30 – Conference Dinner

Departure from the conference hotel.

Monday 22nd June 2009

08:30-13:30 Welcome Desk

**09:00-09:45 Session Doctoral Consortium
(Room: Alfanzina)**

**10:00-11:10 Session FSP 22.1
Computer Graphics // Other Related Topics
(Room: Alfanzina)**

**SURFACE COLLISION DETECTION FOR VIRTUAL
PROTOTYPING (1_F024)**
Mauro Figueiredo
**PARTIAL SHAPE MATCHING ENHANCED BY 3 DOF
TRACKING INFORMATION (1_S054)**
Joris S.M. Vergeest, Adrie Kooijman and Yu Song
**ESTIMATION OF A LOG-COMPRESSED K-DISTRIBUTION
AND APPLICATION TO BREAST TUMOR
SEGMENTATION AND DISCRIMINATION IN
ULTRASONIC IMAGES (1_S022)**
Atsushi Takemura

11:00-11:30 Coffee Break

**11:30-13:10 Session FSRP 22.2
Computer Graphics // Computer Vision
(Room: Alfanzina)**

**IMPULSE-BASED DYNAMIC SIMULATION ON THE GPU
(1_F070)**
Daniel Bayer, Jan Bender and Raphael Diziol
**ENABLING VR BASED CONCEPTUAL SIMULATIONS FOR
ENGINEERING TASKS (1_F081)**
Holger Graf
**VIRTUAL DIDACTIC MODELS ON ENGINEERING
EDUCATION: CONSTRUCTION OF A WALL, A BRIDGE
AND A ROOF (1_S019)**
Alcnia Z. Sampaio, Pedro G. Henriques and Carlos O. Cruz
**R-SNAKES FOR INTERACTIVE SEGMENTATION OF
TUMORS FROM MICRO-CT (1_S051)**
Lyubomir Zagorchev and Mary Jo Mulligan-Kehoe

**13:10 Best Paper Awards Ceremony and Closing Session
(Room: Alfanzina)**

*Prof. Pedro Isaas, Prof. Yingcai Xiao, Prof. Piet Kommers and Prof.
Tomaz Amon*