

2nd International Symposium on Intelligent Interactive Multimedia Systems and Services

General Track Program

Thursday 16th July

General Track GT01 (11.00-13.00)

Cost-Efficient Development of Virtual Sales Assistants

Markus Zanker, Marcel Bricman, and Markus Jessenitschnig

Security of Linguistic Threshold Schemes in Multimedia Systems

Marek R. Ogiela and Urszula Ogiela

Surveillance Camera Tracking of Geo positioned Objects

Piotr Dalka, Andrzej Ciarkowski, Piotr Szczuko, Grzegorz Szwoch, and Andrzej Czyżewski

Distributed knowledge creation, recording and improvement in collaborative design

Piero Mussio, Stefano Valtolina, Barbara Rita Barricelli, Monica Bordegoni, Francesco Ferrise, and Marco Ambrogio

Effectiveness of Business Alliances Partnerships

Sylvia Encheva and Sharil Tumin

General Track GT02 (15.30-17.30)

Towards Semantic-based RSS Merging

F. Getahun, J. Tekli, M. Viviani, R. Chbeir, and K. Yetongnon

An Efficient Simulator for Reactive Web Caching

Georgios Kastaniotis and Christos Douligeris

Constructing World Abstractions for Natural Language in Virtual 3D Environments

Carlos León, Salvador de la Puente, Daniel Dionne, Raquel Hervás and Pablo Gervás

Standardized Mobile Multimedia Query Composer

Mario Dülller, Tobias Mayer, Kim Lim Fong, Stefan Beck, Harald Kosch, David Coquil

Computer Animation and Communicability in Multimedia System: A Trichotomy Evaluation

Francisco V. Cipolla Ficarra and Miguel Cipolla Ficarra

Virtual Learning Environment: Quality Design for Foreign Languages in Multimedia Systems

Francisco V. Cipolla Ficarra

Friday 17th July

General Track GT03 (11.00-13.00)

Recognizing objects in images using visual attention schema

Hoai-Bac Le and Tran-Thanh Thang

Towards a Comprehensive Data Fusion Architecture For Cognitive Robotics

Malek Baklouti, Jamil AbouSaleh, Bahador Khaledgi and Fakhreddine Karray

Nondestructive Flaw Detection System of Intelligent Robot with Machine Vision

Zhiguo Chen and Wenbo Xu

A Novel Online Textual/Graphical Domain Separation Approach for Sketch-Based Interfaces

Danilo Avola, Andrea Del Buono, Pierluigi Del Nostro, and Rui Wang

Effective Region-based Relevance Feedback for Interactive Content-based Image Retrieval

Walid Barhoumi, Abir Gallas, and Ezzeddine Zagrouba

**Multimedia Techniques for Device and Ambient Intelligence
(MTDAI) Program**

Thursday 16th July

17.30-19.30

Video Deinterlacing Algorithm Based on Fuzzy Reasoning with Angle Extraction Approach

Gwanggil Jeon, Yong Fang, Kangjun Lee, Min Young Jung, Rokkyu Lee, and Jechang Jeong

Semantic Similarity Based Video Retrieval

Min Young Jung and Sung Han Park

Fast and low cost 3d object recognition

Cesare Bornaghi, Beniamino Ferrari, Ernesto Damiani

Emotional State Inference Using Face Related Features

Marco Anisetti and Valerio Bellandi

**International Workshop on Human-Computer Interaction in
Knowledge-based Environments Program**

Thursday 16th July

HCI01 (11.00-13.00)

A Web-Based Interactive System for Learning NL to FOL Conversion

Ioannis HATZILYGEROUDIS and Isidoros PERIKOS

Emotional Intelligence in Multimodal Object Oriented User Interfaces

Efthymios Alepis and Maria Virvou

Animated Agents in the User Interface of Recommender Systems

Anastasios Savvopoulos and Maria Virvou

A Mobile Music Recommender System based on a Two-level Genre-Rating SVM Classifier enhanced by Collaborative Filtering

P.S. Lampropoulou, A.S. Lampropoulos, and G.A. Tsihrintzis

Comparative performance evaluation of classifiers for Facial Expression Recognition

Aristomenis S. Lampropoulos, Ioanna-Ourania Stathopoulou, and George A. Tsihrintzis

Usability Factors for an Intelligent Tutoring System on Computer Programming

Konstantina Chrysafiadi and Maria Virvou

Thursday 16th July

HCI02 (15.30-17.30)

Enhancement of computer character animation utilizing fuzzy rules :

Piotr Szczuko and Bożena Kostek

Enhancing 2D environments with 3D data input

Constantinos Patsakis, Nikolaos Alexandris, and Elina Flerianou

Human-Computer Interaction Approach Applied to the Multimedia System of Polysensory Integration

Lech Michal and Kostek Bożena

Document Design with Interactive Evolution

Juan C. Quiroz, Amit Banerjee, Sushil J. Louis, and Sergiu M. Dascalu

Visual Interface for Content-based Query in Image Databases

Cosmin Stoica Spahiu and Liana Stanescu, Dan Burdescu, and Marius Brezovan

The Feasibility of Auto Profiling Online

Manfred Pienemann, Bi-Jar Lin, and Long-Yeu Chung

Thursday 16th July

HCI03 (17.30-19.30)

Fuzzy Simple Additive Weighting for Evaluating a Personalised Geographical Information System

Katerina Kabassi

Progress Evaluation Based on Fuzzy Relationships

Sylvia Encheva and Sharil Tumin

A Study of the Effect of Pupils' Learning Achievement on Project-based Learning with Context Awareness Technology

Kuo-Kuang Chu, Chien-I Lee, and Po-Cheng Lu

Improving interactions in knowledge intensive communities of practices for SMEs
Ileana Hamburg

Determining a Discrete Geometric Random Sum in Computational Intelligence for Supporting a Complex Human-Computer Interaction System under a Major Risk
Constantinos T. Artikis and Panagiotis T. Artikis

Intelligent Systems for Healthcare Program

Friday 17th July

11:00-12:00

Sessionchair: *Giuseppe De Pietro, ICAR-CNR, Italy*

Intelligent Systems for Optimized Operating Rooms
Vladimir Stantchev

An Infrastructure for Pervasive Access to Clinical Data in eHospitals
Massimo Esposito, Luigi Gallo, Antonio Coronato, and Gennaro Della Vecchia

UBIAS Systems supporting interpretation of radiological images
Lidia Ogiela, Ryszard Tadeusiewicz, and Marek R. Ogiela

12:00-13:00

Sessionchair: *Luigi Gallo, ICAR-CNR, Italy*

Multimedia Elements for Medical e-Learning Improvement
Liana Stanescu, Dan Burdescu, Gabriel Mihai, Marius Brezovan, and Cosmin Stoica Spahiu

A healthcare real-time monitoring system for multiple sensors data collection and correlation
Luigi Romano, Luigi Coppolino, Ivano Alessandro Elia, and Gianluigi Spagnuolo

Personal Health Monitor
Almudena Vicente Tocino, Juan José Andrés Gutiérrez, Iván Álvarez Navia, Francisco J. García Penalvo, Esteban Pérez Castrejón, and José Rafael García-Bermejo Giner

Design of Intelligent Environment for Supporting Human Interaction and Creation Program

Friday 17th July

15:30-18:00

Basic Actions in Art Study: Toward an Intelligent Environment for Human Creative Interaction
Fuminori Akiba

A Simple method for 3-dimensional Photorealistic Facial Modeling
Ippei Torii, Yousuke Okada, Manabu Onogi, and Naohiro Ishii

Automatic Linefeed Insertion for Improving Readability of Lecture Transcript

Masaki Murata, Tomohiro Ohno and Shigeki Matsubara

An Ad-hoc Unicursal Protocol for Human Communication in Disaster Situations

Koichi Asakura, Junya Oishi and Toyohide Watanabe

Geographic Information Management, Based on Version Control System Subversion

Kazuya Hirobe and Toyohide Watanabe

Multiuser Network Administration Training in LiNeS: Connection Function between Virtual Networks

Yuichiro TATEIWA, Takami YASUDA

Intelligent Educational System Based on Personal Agents

Marian Cristian Mihăescu, Dumitru Dan Burdescu, Costel Marian Ionascu, and Bogdan Logofatu