

## September 11

9:15 - 9:30 Welcome

9:30 - 10:20 *Invited Talk*: **Gennady Andrienko**

A Visual Analytics Approach to Exploration of Large Amounts of Movement Data

10:20 - 11:00 Session 1a: *Information and Data Visualization* - Chair **Alfredo Milani**

Better Perception of 3D-Spatial Relations by Viewport Variations

Speaker: **Markus Jobst** (with Juergen Döllner)

Effective visual scanning of geographic information

Speaker: **Mathias Jahnke** (with Olivier Swienty, Holger Kumke, Simone Reppermund)

11:00 - 11:20 *Coffee Break*

11:20 - 12:50 Session 2: *Advanced Techniques for Visual Information Management* -  
Chair **Daniel Heesch**

Classification-based Color Constancy

Speaker: **Claudio Cusano** (with Simone Bianco, Gianluigi Ciocca, Raimondo Schettini)

An Optimized Fuzzy Based Short Term Object Motion Prediction for Real-life Robot  
Navigation Environment

Speaker: **Manohara Pai M M** (with Rajpurohit Vijay)

Experiments on selection of codebooks for local image feature histograms

Speaker: **Ville Viitaniemi** (with Jorma Laaksonen)

Extending KDDML with a Visual Metaphor for the KDD Process

Speaker: **Andrea Romei** (with Valerio Grossi)

Inter-Frame and Inter-Layer Motion Prediction during Fast Block Motion Estimation  
in MCTF

Speaker: **Karunakar K** (with Manohara Pai M M)

13:00 - 14:00 *Lunch*

## September 11

14:30 - 15:20 *Invited Talk: Franz Leberl*

Locational Awareness on the Internet

15:20 - 16:20 *Session 3: Mobile Visual Information Systems - Chair Mikołaj Leszczuk*

LUNA Ads - Sustaining Wireless Access for Mobile Users

Speaker: **Alessandro M. Martellone** (with David Tacconi, Vincenzo Del Fatto, Giuliana Vitiello)

MoViSys - A Visualization System for Geo-Referenced Information on Mobile Devices

Speaker: **Maria Beatriz Carmo** (with Ana Paula Afonso, Paulo Pombinho de Matos, Ana Vaz)

A New Approach toward a Modular Multimodal Interface for PDAs and Smartphones

Speaker: **Giovanni Frattini** (with Federico Ceccarini, Fabio Corvino, Ivano De Furio, Francesco Gaudino, Pierpaolo Petriccione, Roberto Russo, Vladimiro Scotto di Carlo, Gianluca Supino)

*16:20 - 16:40 Coffee Break*

16:40 - 17:40 *Session 5a: Applications of Visual Information Systems - Chair Maider Huarte Arrayago*

A Visual Framework for Reverse Engineering Processes

Speaker: **Giuseppe Scanniello** (with Andrea De Lucia, Michele Risi, Luigi Rizzi)

An Evolutionary General Purpose WebGIS to Disclose EGFR Mutations in Lung Cancer

Speaker: **Gennaro Iaccarino** (with Domenico Aliotta, Pietro Buffa)

Embedding Google Maps APIs into WebRatio for the Automatic Generation of WebGIS Applications

Speaker: **Sergio Di Martino** (with Giuseppe Avagliano, Filomena Ferrucci, Luca Paolino, Monica Sebillio, Genoveffa Tortora, Giuliana Vitiello)

*20:00 Welcome Dinner*

## September 12

9:00 - 9:50 *Invited Talk: Shi Kuo Chang*

Virtual Spaces: From the Past to the Future

9:50 - 11:10 *Session 4: Image and Video Indexing and Retrieval - Chair Stefano Ricciardi*

Learning rules for semantic video event annotation

Speaker: **Giuseppe Serra** (with Marco Bertini, Alberto Del Bimbo)

Two step relevance feedback for semantic disambiguation in image retrieval

Speaker: **Daniel Heesch** (with Stefan Ruger)

An Architectural Paradigm for Collaborative Semantic Indexing of Multimedia Data Objects

Speaker: **Alfredo Milani** (with Clement Leung, Jiming Liu, Wing Sze Chan)

Evaluation of Quality Retaining Diagnostic Credibility for Surgery Video Recordings

Speaker: **Mikołaj Leszczuk** (with Mariusz Duplaga, Zdzisław Papir, Artur Przelaskowski)

Techniques for image classification, object detection and object segmentation

Speaker: **Ville Viitaniemi** (with Jorma Laaksonen)

*11:10 - 11:30 Coffee Break*

11:30 - 12:50 *Session 1b: Information and Data Visualization - Chair Markus Jobst*

Navigation and Search in 3D Visualizations of Large Unstructured Photo Collections: an Empirical Study

Speaker: **Olivier Christmann** (with No lle Carbonell)

Evaluation of Information Visualization Tools Using the NFR Approach

Speaker: **Nary Subramanian** (with Pushpa Kumar, Kang Zhang)

Interactive Exploration of Large Dynamic Networks

Speaker: **Mathias Pohl** (with Peter Birke)

Dynamic buffer areas obtained by EFCM method in GIS environment

Speaker: **Salvatore Sessa** (with Ferdinando Di Martino)

Automatic  $G^1$  Surface Reconstruction from Serial Cross-Sectional Images

Speaker: **Fatimah Yahya** (with Jamaludin Md Ali, Ahmad Abdul Majid, Arsmah Ibrahim)

*13:00 - 14:00 Lunch*

## September 12

14:30 - 16:10 Session 5b: *Applications of Visual Information Systems* - Chair **Ana Paula Afonso**

DINDOW: Towards an interaction based on spatio-temporal memory  
Speaker: **Oscar Serrano** (with Jesús Ibáñez, David García)

Perception model for people with visual impairments  
Speaker: **Pradipta Biswas** (with Tevfik Metin Sezgin, Peter Robinson)

An Analysis of Improvements for Voter Interfaces in Polling Station and Remote Electronic Voting Systems  
Speaker: **Maidor Huarte** (with Maria Madarieta, Iñaki Goirizelaia, Juan José Unzilla)

Reasoning about Hand-Drawn Sketches: An Approach Based on Intelligent Software Agents  
Speaker: **Vincenzo Deufemia** (with Giovanni Casella, Viviana Mascardi, Maurizio Martelli, Genoveffa Tortora)

Handling of Task Hierarchies on the Nepomuk Social Semantic Desktop  
Speaker: **Marko Brunzel** (with Roland Müller)

Musimage: a system for automatically presenting pictures depending on the music being played  
Speaker: **David García** (with Jesús Ibáñez, Oscar Serrano)

*16:10 - 16:30 Coffee Break*

16:30 - 17:20 Session 1c: *Information and Data Visualization* - Chair **Noëlle Carbonell**

Flood Emergency Interaction and Visualization System  
Speaker: **Rui Nóbrega** (with André Sabino, Nuno Correia, Armanda Rodrigues)

3D Mesh Exploration for Smart Visual Interfaces  
Speaker: **Georg Fuchs** (with Mathias Holst, René Rosenbaum, Heidrun Schumann)

Operational Risk Visualization  
Speaker: **Roberto Marmo** (with Concetto Bonafede)

17:20 - 17:50 Session 6: *Industrial Experiences* - Chair **Luca Paolino**

An Architecture for Multimedia Content Publishing with GIS-based Retrieval Facility  
Speaker: **Michele Di Capua** (with Donatella Padovano, Monica Sebillo)

SISI Project: Developing GIS-based Tools for Vulnerability Assessment  
Speaker: **Francesco Pasanisi** (with Bruno Della Rocca, Grazia Fattoruso, Sergio Locurzio, Raffaele Pica, Alessandro Peloso, Maurizio Pollino, Carlo Tebano, Alfredo Trocciola, Davide De Chiara, Genoveffa Tortona)

GISTURISMO Massa-Carrara. Advanced territory's dynamic fruition service for a conscious tourism

Speaker: **Antonio De Luca**

*20:00 Gala Dinner*