

CBMI 2013 – Preliminary Technical Program

Scheduled time per presentation (regular talk): 20 minutes + 4 minutes discussion

Monday, June 17, 2013

07:45-08:45	Registration
08:45-09:00	Opening
09:00-10:00	Keynote 1: Prof. Alberto Del Bimbo Social Media Annotation
10:00-10:20	Coffee Break
10:20-12:20	Oral Session 1: Semantic Indexing and Mining
12:20-13:50	Lunch
13:50-15:50	Oral Session 2: Audio Analysis
15:50-16:05	Coffee Break
16:05-17:40	Oral Session 3: Concept Detection
17:50-21:30	Excursion to Lake Balaton (with conference bus)

Tuesday, June 18, 2013

09:00-10:00	Keynote 2: Dr. Mathias Lux User Intentions in Multimedia Information Systems
10:00-10:30	Coffee Break
10:30-12:30	Oral Session 4: Visual Content Extraction
12:30-14:00	Lunch (preparation for demos)
14:00-15:35	Oral Session 5: Image Indexing and Retrieval I
15:35-16:00	Coffee Break (preparation for demos)
16:00-17:00	Demo Session
17:15-19:15	Guided walking tour in Veszprém
19:45-21:00	Gala Dinner
21:00-22:00	Concert

Wednesday, June 19, 2013

09:00-11:30	Oral Session 6: Image Indexing and Retrieval II
11:30-13:00	Lunch
13:00-14:35	Oral Session 7: Visual Indexing and Retrieval
15:35-15:00	Coffee Break
15:00-17:00	Oral Session 8: Content Browsing, Exploration, and Summarization
17:00	Closing

Monday, 17 June

Oral Session 1: Semantic Indexing and Mining

Monday, June 17, 10:20 – 12:20

Session Chair: Bernard Merialdo

Multi-way Classification for Large Scale Visual Object Dataset

Thanh-Nghi Doan, Thanh-Nghi Do and Francois Poulet

Scene Reordering in Movie Script Alignment

Anne Lambert, Marie Guégan and Kai Zhou

Conceptual Feedback for Semantic Multimedia Indexing

Abdelkader Hamadi, Philippe Mulhem and Georges Quénot

Interactive Video Data Visualization System Based on Semantic Organization

Jamel Slimi, Anis Ben Ammar and Adel Alimi

Clustering based re-scoring for semantic indexing of multimedia documents

Abdelkader Hamadi, Georges Quénot and Philippe Mulhem

Oral Session 2: Audio Analysis

Monday, June 17, 13:50 – 15:50

Session Chair: György Takács

Evaluation of Speech Music Transitions in Radio Programs Based on Acoustic Features

Mátyás Jani, György Takács and Gergely Lukács

Audio Indexing including frequency tracking of simultaneous multiple sources in speech and music

Maxime Le Coz, Julien Pinquier, Régine André-Obrecht and Julie Mauclair

Audio Event Detection in Movies using Multiple Audio Words and Contextual Bayesian Networks

Cedric Penet, Claire-Helene Demarty, Guillaume Gravier and Patrick Gros

Detecting Violent Content in Hollywood Movies by Mid-level Audio Representations

Esra Acar, Frank Hopfgartner and Sahin Albayrak

Unsupervised Face Identification in TV Content using Audio-Visual Sources

Bendris Meriem, Favre Benoit, Delphine Charlet, Damnati Geraldine, Auguste Rémi, Martinet Jean and Senay Gregory

Oral Session 3: Concept Detection

Monday, June 17, 16:05 – 17:40

Session Chair: László Böszörményi

Leveraging from Group Classification for Video Concept Detection

Usman Niaz and Bernard Merialdo

Evaluating Sources and Strategies for Learning Video Concepts from Social Media

Svetlana Kordumova, Xirong Li and Cees Snoek

Towards methodological evaluation of affective video content annotation: first steps

Virginia Fernández Arguedas and Jose M. Martinez

An In-Depth Evaluation of Multimodal Video Genre Categorization

Ionut Mironica, Bogdan Ionescu, Peter Knees and Patrick Lambert

Tuesday, 18 June

Oral Session 4: Visual Content Extraction

Tuesday, June 18, 10:30 – 12:30

Session Chair: Patrick Gros

Event Detection from Image Hosting Services by Slightly-Supervised Multi-Span Context Models

Mohamed Morchid, Richard Dufour and Georges Linarès

Fight Detection in Surveillance Videos

Ersin Esen, Mehmet Ali Arabacı and Medeni Soysal

Fan-shaped Patch Local Binary Patterns for Texture Classification

Yuxing Tang, Charles-Edmond Bichot and Chao Zhu

Inverted Indexing in Image Fragment Retrieval using Huge Keypoint-Based Vocabularies

Andrzej Sluzek

Parallel Multi-Tree Indexing for Evaluating Large Descriptor Sets

Levente Kovács

Oral Session 5: Image Indexing and Retrieval I

Tuesday, June 18, 14:00 – 15:35

Session Chair: Mathias Lux

Early Alzheimer Disease Detection with Bag-of-Visual Words and Hybrid Fusion on Structural MRI

Olf Ben Ahmed, Jenny Benois-Pineau, Chokri Ben Amar, Michelle Allard and Gwenaëlle Catheline

Segmentation of Recorded Endoscopic Videos by Detecting Significant Motion Changes

Manfred Jürgen Primus, Klaus Schoeffmann and Laszlo Böszörményi

Using Tree of Concepts and Hierarchical Reordering for Diversity in Image Retrieval

Christian Kuoman, Sabrina Tollari and Marcin Detyniecki

Improved segmentation of a series of remote sensing images by using a fusion MRF model

Tamas Sziranyi and Maha Shadaydeh

Demo Session (presenters should prepare in Lunch and Coffee breaks)

Tuesday, June 18, 16:00 – 17:00

Session Chair: Levente Kovács

Feature based Object Recognition - A Case Study for Car Model Detection

Hans-Christian Sperker and Andreas Henrich

A Filtering Tool to Support Interactive Search in Internet Video Archives

Manfred Del Fabro, Klaus Schoeffmann, Mario Guggenberger and Mario Taschwer

Search in Wikimages using Mobile Phone

László Havasi, Mihály Szabó, Máté Pataki, Tamás Szirányi, László Kovács and Domonkos Varga

Object Extraction in Urban Environments from Large-Scale Dynamic Point Cloud Dataset

Attila Böröcs, Oszkár Józsa and Csaba Benedek

Wednesday, 19 June

Oral Session 6: Image Indexing and Retrieval II

Wednesday, June 19, 09:00 – 11:30

Session Chair:

Fast Repetition Detection in TV streams using duration patterns

Cérès Carton and Patrick Gros

Improved Texture Features for CBIR using Response Scaling and Locally Normalised Convolution

Nabeel Mohammed and David Squire

Retina enhanced SIFT descriptors for video indexing

Sabin Tiberius Strat, Alexandre Benoit and Patrick Lambert

Enhanced Context-based Query-to-Concept Mapping in Social Image Retrieval

Ksibi Amel, Anis Ben Ammar and Chokri Ben Amar

Local Feature Based Word Spotting in Handwritten Archive Documents

László Czúni, József Péter Kiss, Mónika Gál and Ágnes Lipovits

Clip Art Retrieval Combining Raster and Vector

Pedro Martins, Rui Jesus, Manuel Fonseca and Nuno Correia

Oral Session 7: Visual Indexing and Retrieval

Wednesday, June 19, 13:00 – 14:35

Session Chair: Georges Quenot

Descriptor optimization for multimedia indexing and retrieval

Bahjat Safadi and Georges Quénot

Scalable high-dimensional indexing with Hadoop

Denis Shestakov, Diana Moise, Gylfi Gudmundsson and Laurent Amsaleg

Indexing Video Segments using Microblogs

Jerôme Picault, Myriam Ribiere and Yann Gasté

3D video shot boundary detection based on clustering of depth-temporal features

Lino Ferreira, Pedro Assuncao and Luis Cruz

Oral Session 8: Content Browsing, Exploration, and Summarization

Wednesday, June 19, 15:00 – 17:00

Session Chair: Klaus Schoeffmann

Combining Content with User Preferences for TED Lecture Recommendation

Nikolaos Pappas and Andrei Popescu-Belis

Improving Image Search Effectiveness by Integrating Contextual Information

Ghada Feki, Amel Ksibi, Anis Ben Ammar and Chokri Ben Amar

Automatic Keyframe Selection based on Mutual Reinforcement Algorithm

Carles Ventura, Xavier Giro-I-Nieto, Veronica Vilaplana, Daniel Giribet and Eusebio Carasusan

Content-Based Exploration of Multimedia Databases

Christian Beecks, Merih Seran Uysal, Philip Driessen and Thomas Seidl

Exploring The Optimal Visual Vocabulary Sizes for Semantic Concept Detection

Jinlin Guo, Zhengwei Qiu and Cathal Gurrin