

# 2011 ACM International Conference on Multimedia Retrieval (ICMR2011)

April 17-20, 2011, Trento (Italy)

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## TECHNICAL PROGRAM

### Program at a glance

	DAY 1 (Mon. 18)	DAY 2 (Tue. 19)	DAY 3 (Wed. 20) practitioner
8:45	Opening		Welcome
9:00	Keynote speech	Session 4 (oral)	Keynote speech
9:20		S4P1	
9:40		S4P2	
10:00	coffee break		Intro Demo session
10:20	S1P1	Session 5	Demo Session with Coffee
10:40	S1P2	S5P1	
11:00	S1P3	S5P2	
11:20	S1P4	S5P3	
11:40	S2P1	S6P1	User/industrial session
12:00	Session 2	S6P2	
12:20	S2P2	S6P3	
12:40	S2P3	S6P4	
13:00	lunch		lunch
14:20	Poster session 1	Poster session 2	User/industrial session
			coffee break
16:00	coffee break		User/industrial session
16:20	S3P1	Session 7	Panel session
16:40	S3P2	S7P1	
17:00	S3P3	S7P2	
17:20	S3P4	S7P3	
17:40	S3P5	S7P4	
18:00	End Day 1	End Day 2	Closing remarks
	Social event		

### Detailed Program

#### Session 1: Social media retrieval

40	Social Negative Bootstrapping for Visual Categorization X. Li, C. Snoek, M. Worring, A. Smeulders
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95	Social Media Driven Image Retrieval A. Popescu, G. Grefenstette
101	ShotTagger: Tag Location for Internet Videos L. Guangda, M. Wang, Y-T. Zheng
123	Active Learning through Notes Data in Flickr: An Effortless Training Data Acquisition Approach for Object Localization Z. Lei, J. Ma, C. Cui

**Session 2: Image analysis and categorization**

50	Exploiting Photographic Style for Category-Level Image Classification by Generalizing the Spatial Pyramid J. Van Gemert
102	Person-specific Age Estimation under Ranking Framework Y. Ma, T. Xiong, Y. Zou, K. Wang
104	Saliency Moments for Image Categorization M. Redi, B. Merialdo
106	3D Model Retrieval using Accurate Pose Estimation and View-based Similarity A. Axenopoulos, G. Litos, P. Daras

**Session 3: Large-scale retrieval**

24	Learning Reconfigurable Hashing for Diverse Semantics Y. Mu, X. Chen, T-S. Chua, S. Yan
59	Lost in Binarization: Query-Adaptive Ranking for Similar Image Search with Compact Codes Y-G. Jiang, J. Wang, S-F. Chang
88	A Kernel Density Based Approach for Large Scale Image Retrieval W. Tong, F. Li, R. Jin, A. Jain
110	Pairwise Weak Geometric Consistency for Large Scale Image Search H. Xie, K. Gao, Y. Zhang, J. Li, Y. Liu
153	Large scale visual-based event matching M.R. Trad, A. Joly, N. Boujemaa

**Session 4: Special session - Automatic Tagging and Geo-Tagging in Video Collections and Communities**

146	Automatic Tagging and Geotagging in Video Collections and Communities M. Larson, M. Soleymani, P. Serdyukov, S. Rudinac, C. Wartena, V. Murdock, G. Friedland, R. Ordelman, G.J.F.Jones
152	Multi-modal, Multi-resource Methods for Placing Flickr Videos on the Map S. Schmiedeke, P. Kelm, T. Sikora
169	Finding Media Illustrating Events R. Troncy, X. Liu, B. Huet

**Session 5: Information fusion**

89	Consumer Video Understanding: A Benchmark Database and An Evaluation of Human and Machine Performance Y-G. Jiang, G. Ye, S-F. Chang, D. Ellis, A. Loui
68	Accurate Video Content-Based Copy Detection with Efficient Feature Indexing Y. Uchida, M. Agrawal, S. Sakazawa
117	Semantic Combination of Textual and Visual Information in Multimedia Retrieval S. Clinchant, G. Csurka, J. Ah-Pine
56	Fusing Heterogeneous Modalities for Video and Image Re-ranking H.K. Tan, C-W. Ngo

**Session 6: Object retrieval**

18	Synthetically trained multi-view object class and viewpoint detection for advanced image retrieval J. Schels, J. Liebelt, K. Schertler, R. Lienhart
22	Biometric Animal Databases from Field Photographs: Identification of Individual Zebra in the Wild M. Lahiri, C. Tantipathananandh, R. Warungu, D. Rubenstein, T. Berger-Wolf
63	Attribute-based Vehicle Search in Crowded Surveillance Videos R. Feris, B. Siddiquie, Y. Zhai, J. Petterson, L. Brown, S. Pankanti
77	Scalable Logo Recognition in Real-world Images S. Romberg, L. Garcia Pueyo, R. Lienhart, R. van Zwol

**Session 7: Interaction aspects**

29	Exploration of Surveillance Video using Interactive Schematic Summaries M. Höferlin, B. Höferlin, D. Weiskopf, G. Heidemann
91	Learning Crop Regions for Content-Aware Generation of Thumbnail Images L. Kennedy, R. van Zwol, N. Torzec, B. Tseng
96	Adaptive Clustering and Interactive Visualizations to Support the Selection of Video Clips A. Girgensohn, F. Shipman, L. Wilcox
177	Locally Regressive G-Optimal Design for Image Retrieval Z-J. Zha, Y-T. Zheng, M. Wang, F. Chang, T-S. Chua

**Poster Session 1**

10	MuMIE: A New System for Multimedia Metadata Interoperability S. Amir, Y. Benabbas, I. M. Bilasco, C. Djeraba
34	A color-action perceptual approach to the classification of animated movies B. Ionescu, C. Vertan, P. Lambert, A. Benoit
41	Exploiting Contextual Spaces for Image Re-Ranking and Rank Aggregation D. Pedronette, R. Torres
72	Interpretable Visual Models for Human Perception-Based Object Retrieval A. Rebai, A. Joly, N. Boujemaa
74	A Comprehensive Neural-Based Approach for Text Recognition in Videos using Natural Language Processing K. Elagouni, C. Garcia, P. Sébillot
86	STELA: Sketch-Based 3D Model Retrieval using a Structure-Based Local Approach J. Saavedra, B. Bustos, M. Scherer, T. Schreck
87	Folksonomy-boosted Social Media Search and Ranking M. Rawashdeh, H-N. Kim, A. El Saddik
97	Large-Scale EMM Identification Based on Geometry- Constrained Visual Word Correspondence Voting X. Yang, Q. Liu, C. Liao, T. Cheng, A. Girgensohn
100	Botanical Data Retrieval System Supporting Discovery Learning T. Kajiyama
105	Instant Video Summarization during Shooting with Mobile Phone X. Zeng, X. Xie, K. Wang
113	An Eye-tracking-based Approach to Facilitate Interactive Video Search S. Vrochidis, I. Patras, Y. Kompatsiaris
119	Relevance feedback strategies for artistic image collections tagging C. Grana, D. Borghesani, R. Cucchiara
127	Finding locations of Flickr resources using language models and similarity search O. Van Laere, S. Schockaert, B. Dhoedt
157	Image Modality Classification - A Late Fusion Method Based on Confidence Indicator and Closeness Matrix L. Gong, X. Sun, A. Natsev, X. Teng, W. Tao, Y. Pan, L. Tian
162	Diversity Ranking for Video Retrieval from a Broadcaster Archive X. Giro-i-Nieto, M. Alfaro, F. Marques
168	Learning People Co-occurrence Relations by Using Relevance Feedback for Retrieving Group Photos K. Shimizu, N. Nitta, N. Babaguchi

**Poster Session 2**

17	Efficient clustering and quantisation of SIFT features: Exploiting characteristics of the SIFT descriptor and interest region detectors under image inversion J. Hare, S. Samangoeei, P. Lewis
19	Summarization of Personal Photologs Using Multidimensional Content and Context P. Sinha, S. Mehrotra, R. Jain
21	Water Reflection Recognition via Minimizing Reflection Cost Based on Motion Blur Invariant Moments S. Zhong, Y. Liu, L. Shao, F-L. Chung
26	Large-Scale Music Exploration in Hierarchically Organized Landscapes Using Prototypicality Information M. Schedl, C. Höglinger, P. Knees
38	TV Program Segmentation Using Multi-Modal Information Fusion H. Bai, L. Wang, G. Qin, W. Ji, K. Tao, X. Chang, Y. Dong
61	Harmonic Style-Based Song Retrieval Using N-Gram C-H. Chuan
69	Scalable Triangulation-based Logo Recognition Y. Kalantidis, L. Garcia Pueyo, M. Trevisiol, R. van Zwol, Y. Avrithis
73	Face Alignment via Joint-AAM T. Xiong, Y. Ma, Y. Zou
76	Indexing the Signature Quadratic Form Distance for Efficient Content-Based Multimedia Retrieval C. Beecks, J. Lokoc, T. Seidl, T. Skopal
93	A Comparison of Extended Fingerprint Hashing and Locality Sensitive Hashing for Binary Audio Fingerprints K. Moravec, I. Cox
94	Graph-based Methods for the Automatic Annotation and Retrieval of Art Prints G. Carneiro
126	Scene-based Image Retrieval by Transitive Matching A. Ulges, C. Schulze
129	Consistent Visual Words Mining with Adaptive Sampling P. Letessier, O. Buisson, A. Joly
131	Spatial Codebooks for Image Categorization E. Muki Mbanya, S. Gerke, P. Ndjiki-Nya
154	NV-Tree: Nearest Neighbors at the Billion Scale H. Lejsek, B. Jonsson, L. Amsaleg
182	Component-Based Track Inspection Using Machine-Vision Technology Y. Li, C. Otto, N. Haas, Y. Fujiki, S. Pankanti

**Demo Sessions**

**Demos will run in parallel in a single session****Multimedia User Interaction**

ICMR07	Embracing Semantics in Zoomable User Interface Daniele Panza, Andrea Vitali, Alexandro Sentinelli, Luca Celetto
ICMR08	Image and Video Browsing with a Cylindrical 3D Storyboard Klaus Schoeffmann, Laszlo Boeszoermenyi
ICMR09	The Hyper Media News System for Multimodal and Personalised Fruition of Informative Content Alberto Messina, Maurizio Montagnuolo, Riccardo Di Massa, Andrea Elia
ICMR14	Considerations for a Touchscreen Visual Lifelog Niamh Caprani, Noel E. O'Connor, Cathal Gurrin
ICMR19	Retrievallab - A programming tool for content based retrieval Ard Oerlemans, Michael S. Lew
ICMR21	Multimedia Retrieval in Social Networks for Photo Book Creation Mohamad Rabbath, Philipp Sandhaus, Susanne Boll
ICMR25	Photo Summary: Automated Selection of Representative Photos from a Digital Collection Stefanie Nowak, Ronny Paduschek, Uwe Kühnert
ICMR26	A flexible environment for multimedia management and publishing M. Bertini, A. Del Bimbo, G. Ioannidis, A. Stan, E. Bijk

**Efficient and Precise Multimedia Understanding**

ICMR06	Landmark recognition in VISITO: Visual Support to Interactive TOURism in Tuscany Giuseppe Amato, Paolo Bolettieri, Fabrizio Falchi
ICMR10	City Exploration by use of Spatio-temporal Analysis and Clustering of User Contributed Photos Symeon Papadopoulos, Christos Zigorlis, Stefanos Kapiris, Yiannis Kompatsiaris, Athena Vakali
ICMR11	Lookapp - Interactive Construction of Web-based Concept Detectors Damian Borth, Adrian Ulges, Thomas M. Breuel
ICMR15	High-level Event Detection System Based on Discriminant Visual Concepts Ioannis Tsampoulaidis, Nikolaos Gkalelis_x0003_, Anastasios Dimou, Vasileios Mezaris, Ioannis Kompatsiaris
ICMR17	Instant Bag-of-Words served on a Laptop Jasper Uijlings, Ork de Rooij, Daan Odijk, Arnold Smeulders, Marcel Worring
ICMR18	PhotoCube: Effective and Efficient Multi-Dimensional Browsing of Personal Photo Collections Grimur Tómasson, Hlynur Sigurþórsson, Björn Þór Jónsson, Laurent Amsaleg
ICMR23	A Parallel Cross-Modal Search Engine over Large-Scale Multimedia Collections with Interactive Relevance Feedback Marc von Wyl, Hisham Mohamed, Eric Bruno, Stephane Marchand-Maillet
ICMR24	Automated Detection of Errors and Quality Issues in Audio-Visual Content Ronny Paduschek, Stefanie Nowak, Uwe Kühnert



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