

2011 IEEE International Conference
on Computer Vision

6-13 November, 2011 - Barcelona, Spain

ICCV 2011

2011 IEEE International Conference on Computer Vision (ICCV 2011)

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Pocket Program



ICCV2011 at a glance

Nov. 6, Sunday	Nov. 7, Monday	Nov. 8, Tuesday	Nov. 9, Wednesday	Nov. 10, Thursday	Nov. 11, Friday	Nov. 12, Saturday	Nov. 13, Sunday
		08:00 Registration	08:00 Registration	08:00 Registration	08:00 Registration		
08:30 Registration	08:30 Registration	08:30-09:20 Opening Remarks	08:30-09:30 Invited Speaker	08:30-09:30 Invited Speaker	08:30-09:30 Invited Speaker	08:30 Registration	08:30 Registration
09:00-19:00 Tutorials	09:00-19:00 Workshops	09:20-10:20 Awards Ceremony	09:30-10:30 Session 2-1 Illumination and Reflectance	09:30-10:30 Session 3-1 Optimization Methods	09:30-10:30 Session 4-1 Matching	09:00-19:00 Workshops	09:00-19:00 Workshops
		10:20-10:50 Coffee Break	10:30-11:00 Coffee Break	10:30-11:00 Coffee Break	10:30-11:00 Coffee Break		
		10:50-12:30 Session 1-1 Recognition	11:00-12:45 Session 2-2 Activity Recognition	11:00-12:45 Session 3-2 Geometric Computer Vision	11:00-12:45 Session 4-2 Motion and Tracking		
		12:30-14:00 Lunch	12:45-14:10 Lunch	12:45-14:10 Lunch	12:45-14:10 Lunch		
		14:00-15:25 Session 1-2 Statistical Methods and Learning	14:10-15:35 Session 2-3 Attributes and Classification	14:10-15:35 Session 3-3 Scene Understanding	14:10-15:35 Session 4-3 Image Processing		
		15:25-15:55 Coffee Break	15:35-15:55 Coffee Break	15:35-15:55 Coffee Break	15:35-15:55 Coffee Break		
		15:55-17:20 Session 1-3 Detection and Categorization	15:55-17:20 Session 2-4 Segmentation and Grouping	15:55-17:20 Session 3-4 Image Restoration and Retargeting	15:55-17:20 Session 4-4 Faces		
		17:20-20:00 Poster Session 1	17:20-20:00 Poster Session 2	17:20-20:00 Poster Session 3	17:20-20:00 Poster Session 4		
			20:00-22:00 PAMI-TC Meeting				
				21:00-23:00 Light Banquet at Llotja de Mar			

Note 1: Registration will be open until 18:00 everyday

Timetable: Tutorials

November 6, Sunday		
Room Llimona	T7: Computer vision fundamentals: robust non-linear least-squares and their applications	T9: Decision forests for classification, regression, clustering and density estimation
Room Utrillo	T1: Looking at people: The past, the present and the future	
Room 1	T2: 3D point cloud processing: PCL (Point Cloud Library)	
Room 3	T3: Fcam: an architecture and API for computational cameras	
Room 7	T4: Variational methods for computer vision	
Room 7-3	T5: Non-rigid registration and reconstruction	
Room 7-5	T6: Learning with inference for discrete graphical models	
Room 7-6	T8: Geometry constrained parts based detection	T10: Color image understanding: from acquisition to high-level image understanding

Note: Tutorials will be held at Hotel Catalonia Plaza (in Plaça d'Espanya)

Timetable: Workshops

	November 7, Monday	November 12, Tuesday		November 13, Wednesday
Fira Hall No. 5	09:00-17:00 WS0: 2nd IEEE International Workshop on Mobile Vision			
Room Llimona	09:00-19:00 WS02: The PASCAL Visual Object Classes Challenge 2011	08:45-18:15 WS15: 1st IEEE Workshop on Consumer Depth Cameras for Computer Vision		09:30-17:40 WS22: 1th IEEE International Workshop on Visual Surveillance
Room Utrillo	09:20-18:25 WS08: Workshop on 3D Representation and Recognition (3dRR-11)	08:50-18:30 WS10: Workshop on Live Dense Reconstruction with Moving Cameras		09:00-16:30 WS21: 1st IEEE Workshop on Kernels and Distances for Computer Vision
Room 1	09:00-18:30 WS06: 6th IEEE Workshop on Human Computer Interaction: Real-Time Vision Aspects of Natural User Interfaces	09:10-17:10 WS11: 3rd IEEE Workshop on Color and Photometry in Computer Vision		09:00-18:30 WS23: Workshop on Computer Vision in Vehicle Technology: From Earth to Mars (CVVT2011)
Room 3	08:50-18:30 WS03: 1st IEEE Workshop on Modeling, Simulation and Visual Analysis of Large Crowds	09:15-18:30 WS12: 2nd International Workshop on Socially Intelligent Surveillance and Monitoring, SISM2011		08:40-17:40 WS20: 4DMOD Workshop on Dynamic Shape Capture and Analysis
Room 7	08:30-18:30 WS07: 3rd IEEE Workshop on GPU for Computer Vision	09:00-13:00 WS16a: Workshop on Human Interaction in Computer Vision	15:00-19:30 WS16b: Workshop on Performance Evaluation on Recognition of Human Actions and Pose Estimation Methods	08:30-19:00 WS17: 1st IEEE Workshop on Information Theory in Computer Vision and Pattern Recognition
Room 7-5	09:00-18:00 WS05: IEEE Workshop on Omnidirectional Vision, Camera Networks and Non-classical Cameras	09:00-18:00 WS14: Workshop on Challenges and Opportunities in Robot Perception		09:00-17:40 WS18: 3rd IEEE Workshop on Video Event Categorization, Tagging and Retrieval for Real-World Applications (VECTaR 2011)
Room 7-6	09:30-18:40 WS04: 1st IEEE/ISPRS Workshop on Computer Vision for Remote Sensing of the Environment	08:30-17:00 WS09: SIG-11: 2nd IEEE International Workshop on Stochastic Image Grammars		
Room 7-9		WS13 2nd IEEE Workshop on Analysis and Retrieval of Tracked Events and Motion in Imagery		08:45-17:30 WS24: Workshop on Benchmarking Facial Image Analysis Technologies

Note: Conference and Workshop WS01 will be held at "Fira de Barcelona". The rest of workshops will be held at Hotel Catalonia Plaza.

Timetable: Demos

November 8, Tuesday		
Multimodal templates for real-time detection of texture-less objects in heavily cluttered scenes	S.Hinterstoisser, S.Holzer, C.Cagniart, S.Ilic, K.Konolige, N.Navab, V.Lepetit	Tech University München, EPFL, Willow Garage
Playful data collection software for the gesture recognition challenge	I.Guyon, V.Athitsos	Clopinet, Texas University
Visualizing bag of words	J.Uijlings, A.Smeulders	University of Trento and University of Amsterdam
Real time multiclass segmentation using depth cues	C.Farabet, N.Silberman, R.Fergus, Y.LeCun	New York University
November 9, Wednesday		
Stereoscopic 3D video stabilization	B. Smith, L.Zhang, H.Jin	Wisconsin University, Adobe Systems
Dynamic stereo vision using 4D representation for ambient assisted living	A.Nabil Belbachir, S.Schramb, A.Nowakowska	Austrian Institute of Technology
3D digital archive of the large 3D woven cultural artifact	W.Wakita, H.Tanaka	Ritsumeikan University
DTAM: dense tracking and mapping in real time	R.Newcombe, S.Lovegrove, A.Davison	Imperial College London
November 10, Thursday		
A virtual ceiling mounted depth camera using orthographic Kinect	J.Gomez, G.Bologne, T.Pun	University of Geneva
Object recognition from 3D point clouds	B. Stenger	Toshiba Research Europe
A real object oriented visuohaptic interaction system for anisotropic reflection rendering of ukiyo-e	W.Wakita, J.Hara, T.Tanaka	Ritsumeikan University
KinectFusion: Real-time 3D tracking, reconstruction and Interaction with a depth camera	S.Izadi	Microsoft Research Cambridge
VIDLOOKUP: A web-based online CBVR system for query video shots	S.Das, C.Chattoapdhyay, A.Dyana	Indian Institute of Technology
November 11, Friday		
FaceSimile: A mobile application for face image search based on interactive shape manipulation	S.Zhu, B.Smith, L.Zhang	Wisconsin University
Seeing Your Weight – An application in targeted advertisement	T.Van Nguyen, S.Yan	National University of Singapore
Realtime anisotropic reflection rendering of the noh costume under burning torches	W.Wakita, Y.Nishiwaki, Y.Sakaguchi, H.Tanaka	Ritsumeikan University

Note: All demos will take place simultaneously with the poster sessions, at the main floor of the “Fira de Barcelona” from 17:20 - 20:00