V1	Tupper Theatre C	Wednesday 8:50 – 10:30
Image Coding and Object Representation Session Chair: John Barron		
Presentation Time	**Title**	**Author**
	Plant Growth Measurement Techniques Using Near-Infrared Imagery	*Amr Aboelela, John Barron, Albert Liptay*
	Progressive Human Skeleton Fitting	*Jérôme Vignola, Jean-François Lalonde, Robert Bergevin*
	Representation and Recognition of Activity Using Propagation Nets	*Yifan Shi, Aaron Bobick*
	Monitoring Human Activities: Flexible Calibration of a Wide Area System of Synchronized Cameras	*Stéphane Drouin, Régis Poulin, Patrick Hébert, Marc Parizeau*
	Tracking, Segmentation and Optical Flow	*King Yuen Wong, Minas E. Spetsakis*

V2	Tupper Theatre C	Wednesday 10:50 – 11:50
Video Processing Session Chair: Chahir Elmoataz		
Presentation Time	**Title**	**Author**
	dtection et extraction automatique de texte en video: une approche par morphologie mathematique	*Schupp Sohie, Chahir Elmoataz*
	User-Friendly Integration of Virtual Objects into Image Sequences with Mosaics	*Hellward Broszio, Thorsten Thormählen, Patrick Mikulastik*
	A Team Play Analysis Support System for Soccer Games	*George Lashkia, N. Ochimachi, E. Nishida, S. Hisamoto*
	Simultaneous Tracking and Estimation of a Skeletal Model for Monitoring Human Motion	*Stéphane Drouin, Patrick Hébert, Marc Parizeau*
	Robust Motion Segmentation by Clustering in Subspace .	*Hongbin Wang, Hua Li*

Keynote V1	Tupper Theatre C	Wednesday 14:00 – 15:00
A Bayesian Approach to Image Understanding: From Images to Virtual Forests *Terry Caelli, University of Alberta* Session Chair: John Zelek		

V3	Tupper Theatre C	Wednesday 15:20 – 17:00
Robotic Vision Session Chair: Mark Fiala		
Presentation Time	**Title**	**Author**
	Lighting correction for underwater mosaicking enhancement	*Manon Borgetto, Vincent Rigaud, Jean-François Lots*
	Multiple mobile objects detection and tracking with an overhead camera	*Andrzej Kasinski, Alaa Hamdy*
	A Panoramic Model for Remote Robot Environment Mapping and Predictive Display	*Dana Cobzas, Martin Jagersand, Hong Zhang*
	ARTooklit Applied to Panoramic Vision for Robotic Navigation.	*Mark Fiala*

V4	Tupper Theatre C	Thursday 8:30 – 10:30
Human Computer Interaction Session Chair: Michael Greenspan		
Presentation Time	**Title**	**Author**
8:30 – 8:50	A Gazing Point Estimation method on the Monitor by Using the Surrounding Camera.	*Takeshi Iwana, Kazuhiko Yamamoto, Kunihito Kato, Hitoshi Hongo*
8:50 – 9:10	A System for Synchronous Distance Learning	*Bill Kapralos, Alexander Barth, Jacky Ma, Michael Jenkin*
9:10 – 9:30	Visual Hand Pose Identification for Intelligent User Interfaces	*J.R. Parker, Mark Baumback*
9:30 – 9:50	Robust Detection Method of the Driver's Face and Eye Region for Driving Support System	*Isamu Takai, Kazuhiko Yamamoto, Kunihito Kato, Keiichi Yamada, Michinori Andoh*
9:50 – 10:10	Tracking a Sphere Dipole	*Michael Greenspan, Ian Fraser*
10:10 – 10:30	Replacing a Mouse with Hand Gesture in a Plane-Based Augmented Reality System	*Chris McDonald, Gerhard Roth*

VP1	Tupper Link	Thursday 10:50 – 11:50
Poster & Demo Session		
Poster Location	**Title**	**Author**
15	A Linear Shape from Motion Algorithm using Rotation Information of the Cameras	*Akira Amano, Tsuyoshi Migita, Naoki Asada*
16	Graph Matching For Face Recognition Using Genetic Algorithms .	*Ehsan Fazl, Kiana Hajebi*
17	A new input device for 3D sketching	*Cindy Grimm, Mark Schroering, Robert Pless*
18	A Near Real-Time Face Recognition System	*Kalaiarasi Kandasamy, Aliza Tajudin, R. K. Subramanian*
19	Position and Pose Adjstment of Mobile Camera with Foveated Wide-angle Lens	*Nobuyuki Kita, Haiquan Yang, Yasuyo Kita*
20	VIP: Visual tool for comparing Images of People	*Michel Lantagne, Marc Parizeau, Robert Bergevin*
21	3D Face Recognition using Multiple Features for	*Yeunghak Lee, Kunwoo Park, Jaechang Shim, Taihong Yi*
22	Flexible multi-classifier architecture for face recognition systems .	*Alexandre Lemieux, Marc Parizeau*
23	Artifacts Reducation in Mutual Information-based Image Registration .	*Jundong Liu, Junhong Liu*
24	Evolutionary Strategies and Entropy Approach for the Optimization of a Fuzzy Classification	*M'barek Nasri, El Hitmy*
25	Fast Multiple Camera Head Pose Tracking	*Ravikrishna Ruddarraju, Antonio Haro, Irfan Essa*
26	Détection automatique des stries de croissance des arbres par tranformée en ondelettes	*Tadeusz Sliwa, Brunet Voisin Diou*

27	Edge Vectorization for Embedded Real-Time Systems using the CV-SDF Model	*Dirk Stichling, Bernd Kleinjohann*
28	Vessel Junction Detection From Retinal Images	*Yuexiong Tao, Qigang Gao*
29	A 3D Pattern for Pose Estimation for Object Capture	*Lei Wang, Cindy Grimm, Robert Pless*
30	Real-time Face Detection Comparison Analysis	*Haisheng Wu, John Zelek*
31	Segmentation De Ceramiques Polycristallines: Application a la Cerine	*Arnould Xavier, Coster Chermant, Elmoataz Chratier*
32	A High-speed Estimation Method using the Shape Change Feature with a High-speed Camera	*Takafumi Yamazoe, Kunihito Kato, Kazuhiko Yamamoto*
33	Generic Edge Tokens: Representation, Segmentation and Grouping	*Xiaofen Zheng, QiGang Gao*

Keynote V2	Tupper Theatre C	Thursday 14:00 – 15:00
The role of attention in visual perception: a computational neuroscience model *Gustavo Deco, Siemens Research* Session Chair: John Zelek		

V5	Tupper Theatre C	Thursday 15:20 – 17:00
Shape Analysis Session Chair: David Clausi		
Presentation Time	**Title**	**Author**
15:20 – 15:40	Estimating Bulk Geometric Properties of Cellular Structures	*Shannon Puddister, David A. Clausi, G. Wayne Brodland*
15:40 – 16:00	An Algorithm for Extracting Lines and Circles with High-Speed and Accuracy	*John Gates, Miki Haseyama, Hideo Kitajima*
16:00 – 16:20	Identify and Remove Hough Transform Method	*Mark Fiala*
16:20 – 16:40	An Integrated Approach to the Segmentation and Recognition of Objects using Thin Plate Spline Method.	*Xun Wang, Feng Gao, Zhigang Peng, Lei He, William G. Wee*
16:40 – 17:00	A Shape-From-Shading Algorithm Using Photometric Stereo.	*Osamu Ikeda*

V6	Tupper Theatre C	Friday 8:30 – 10:30
Low Level Vision Session Chair: Nathan Cahill		
Presentation Time	**Title**	**Author**
8:30 – 8:50	Solving the Correspondence Problem by Finding Unique Features	*Peter Biber, Wolfang Strasser*
8:50 – 9:10	Local Non Rigid Image Registration using Mutual Information	*Clinton Fookes, Anthony Maeder*
9:10 – 9:30	Comparing Fundamental Matrices with a Normalized F-Statistic	*Nathan Cahill*
9:30 – 9:50	A Skeleton-Based Inflation Model for Myocardium Segmentation .	*André Neubauer, Rainer Wegenkittl*
9:50 – 10:10	A Comparison of 2 Methods for Recovering Dense Accurate Depth Using Known 3D Camera Motion	*Baozhong Tian, John Barron, Wang Kay, Jacky Ngai, Hagen Spies*
10:10 – 10:30	Fusion of Gabor Filter and Co-occurrence Probability Features for Texture Recognition	*David Clausi, Huawu Deng*

Keynote V3	Tupper Theatre C	Friday 10:50 – 11:50
Bayesian Inference of Visual Motion Boundaries *David Fleet, Palo Alto Research Center* Session Chair: John Barron		

V7	Tupper Theatre C	Friday 13:20 – 15:00
Early Vision Session Chair: Hagen Spies		
Presentation Time	**Title**	**Author**
13:20 – 13:40	Edge Modeling for Analysis and Manipulation of Object Boundaries	*Eric Mortensen, Wei Yan, William Barrett*
13:40 – 14:00	Unsupervised Image Segmentation: A Bayesian Approach	*Li Cheng, Terry Caelli*
14:00 – 14:20	Certainties in low-level Operations	*Hagen Spies*
14:20 – 14:40	Cell Formation and Organization in Low-Level Vision Based on Eigenpaxels	*Catherine Cheung, Peter McGuire, Gabriele D'Eleuterio*

V8	Tupper Theatre C	Friday 15:20 – 17:00
Object Recognition Session Chair: Guillaume-Alexandre Bilodeau		
Presentation Time	**Title**	**Author**
15:20 – 15:40	Graph Matching for Object Recognition and Recovery	*Lei He, Chia Y. Han, Xun Wang, Bryan Everding, William G. Wee*
15:40 – 16:00	Constructing and matching fuzzy graphs of Volumetric Primitives Hypotheses	*Guillaume-Alexandre Bilodeau, Robert Bergevin*
16:00 – 16:20	A 1-Dimensional Symmetry Operator for Image Feature Extraction in Robot Applications	*Kai Huebner*
16:20 – 16:40	PLASTIQUE: An image retrieval software based on cognitive theories	*Guillaume-Alexandre Bilodeau, Robert Bergevin*