

International Joint Workshop on Advanced Sensing/Visual Attention and Interaction - Toward Creation of Human-Harmonized Information Technology - supported by JST CREST and JSPS Core-to-Core SANKEN Program

09:00 09:15	Opening		Sponsor	Venue
	Prof. Toyoaki Nishida (Kyoto University)		CREST	Tenpei
09:15 09:55	Organized Session 1			
	Enabling a Mobile Social Robot to Adapt to a Public Space in a City Dr. Masahiro Shiomi (ATR)		CREST	Tenpei
	Behavior Understanding Based on Intention-Gait Model Prof. Yasushi Yagi (Osaka University)		Core-to-Core Program	
Break (09:55-10:05)				
10:05 11:05	Keynote Talk 1			
	Going with the Flow: Modeling and Exploiting Crowd Flow in Videos Prof. Ko Nishino (Drexel University)		Core-to-Core Program	Tenpei
Break (11:05-11:15)				
11:15 12:15	Keynote Talk 2			
	The Role of Parent and Infant Hand Actions in Creating Critical Information for the Developing Visual System Prof. Hanako Yoshida (University of Houston)		KAKEN HI	Tenpei
Lunch (12:15-13:15)				
12:15 14:20	Poster Session			
	Detection of Driver's Drowsy Facial Expression T. Nakamura, A. Maejima, S. Morishima		Core-to-Core Program	Foyer
	Head and Upper Body Pose Estimation in Team Sport Videos M. Hayashi, T. Yamamoto, Y. Aoki, K. Ohshima, M. Tanabiki			
	Gaze Estimation in Children's Peer-Play Scenarios D. Duan, L. Tian, J. Cui, L. Wang, H. Zha, H. Aghajan			
	Interactive Aged-Face Simulation with Freehand Wrinkle Drawing A. Mizokawa, A. Maejima, S. Morishima			
	Video Based Children's Social Behavior Classification in Peer-Play Scenarios L. Tian, D. Duan, J. Cui, L. Wang, H. Zha, H. Aghajan			
	Group Leadership Estimation Based on Influence of Pointing Actions H. Habe, K. Kajiwara, I. Mitsugami, Y. Yagi			
	Share Me - A Digital Annotation Sharing Service for Paper Documents with Multiple Clients Support K. Tanaka, M. Iwata, K. Kunze, M. Iwamura, K. Kise		CREST	
	Considerations of Self-Motion in Motion Saliency A. Hiratani, R. Nakashima, K. Matsumiya, I. Kuriki, S. Shioiri			
	Preliminary Analysis of Gait Changes That Correspond to Gaze Directions T. Okada, H. Yamazoe, I. Mitsugami, Y. Yagi			
	Analysis of Soccer Coach's Eye Gaze Behavior A. Iwatsuki, T. Hirayama, K. Mase			
	Free-Angle 3D Head Pose Tracking Based on Online Shape Acquisition H. Yoshimoto, Y. Nakamura			

CREST-Organized Poster Session			
12:15 14:20	Modeling Pedestrian Walking Comfort to Anticipate Influences of a Mobile Robot in a City Environment H. Kidokoro, T. Kanda, D. Bršćić, M. Shiomi Learning Spatiotemporal Gaps between Where We Look and What We Focus on R. Yonetani, H. Kawashima, T. Matsuyama Analysis of Gaze Mirroring Effects E. Ishikawa, R. Yonetani, T. Hirayama, T. Matsuyama Where Are You Looking at? – Feature-based Eye Tracking on Unmodified Tablets I. Shoya, K. Kunze, M. Iwamura, Y. Utsumi, K. Kise Visual Saliency of Scene Characters R. Gao, F. Shafait, S. Uchida, Y. Feng Automatic Detection of Regions of Interest via Graph-based Joint Clustering Y. Sugano, Y. Matsushita, Y. Sato Data-driven Detection of Social Groups via Attention-based Cues I. Chamveha, Y. Sugano, Y. Sato, A. Sugimoto Designing Robot's Behavior and Eyes to Effectively Attract and Shift User's Attention Y. Kobayashi, T. Onuki, D. Das, Y. Kuno Constructing a Visual Saliency Map Combined with Audio Signals J. Nakajima, A. Sugimoto, K. Kawamoto Scene Dependent Classifiers for Pedestrian Detection -Generative Learning Approach- H. Yoshida, D. Suzuo, D. Deguchi, I. Ide, H. Murase Timing Analysis of Driver Gaze under Cognitive Distraction toward Peripheral Vehicle Behavior T. Hirayama, K. Mase, K. Takeda Modeling Driver Gaze and Vehicle Operation Behavior During Lane Change M. Mori, C. Miyajima, T. Hirayama, N. Kitaoka, K. Takeda Gaze Estimation with a Saliency Map and Head Movements R. Nakashima, Y. Fang, A. Hiratani, K. Matsumiya, I. Kuriki, S. Shioiri Distinguishing Pedestrians Facing to the Front and the Side by Gait Observation M. Nakazawa, I. Mitsugami, H. Yamazoe, Y. Yagi	CREST	Foyer
14:20 15:20	Keynote Talk 3 Learning to Recognize Objects and Activities in Egocentric Video Dr. Alireza Fathi (Stanford University)	CREST	Tenpei
Break (15:20-15:30)			
15:30 16:50	Organized Session 2 Smart Posterboard: Multi-modal Sensing and Analysis of Poster Conversations Prof. Tatsuya Kawahara (Kyoto University) Document Analysis Meets Activity Recognition – Mutual Indexing of Documents and Human Activities for Human-harmonized Information Environments Prof. Koichi Kise (Osaka Prefecture University) Integrating Visual Behavior in a Driver Modeling Prof. Kazuya Takeda (Nagoya University) Modeling, Sensing and Controlling Visual Attention Prof. Yoichi Sato (The University of Tokyo)	CREST	Tenpei
Closing (16:50-17:00)			

Sponsors:



Japan Science and Technology Agency

