

**PROGRAM (May 31st)**

ROOM 1			
10:00-10:15	"Welcome to DSC-Asia/Pacific 2006" Motoyuki Akamatsu (AIST)	DS Visit	
10:15-11:00	INVITED TALK "The History of Research and Development of Driving Simulators in Japan" (p16-p28) Prof. Kenichi Yoshimoto (Saitama Institute of Technology/ Professor Emeritus at the University of Tokyo)		
ROOM 1		ROOM 2	
DS for Infrastructure Chairperson: Shun'ichi Doi (Kagawa Univeristy)		Visual and Sound System Chairperson: Peter Grant (University of Toronto)	
11:15-11:40	"Evaluation of Winter Road Surface by Use of KITDS" C. Maeda (PASCO Corporation), A. Kawamura (Kitami Institute of Technology), T. Nakatsuji (Hokkaido University), T. Ishida (Civil Engineering Research Institute for Cold Region), Japan	"Effects of Image Quality and Representation of Somatic Sensation on Drive Feeling" Y. Asano, N. Uchida (JARI), Japan	Entry for AIST Driving Simulator Visits at Conference Site
11:40-12:05	"A Study on the Effects of Alternatives of Speed Hump Using Driving Simulator" Jong-min Kim, Kwan-sub Noh (Korea Institute of Construction Technology), Korea	"A Photo-Realistic Driving Simulation with Free Viewpoint by Real-Time Image Processing" S. Ono, K. Ogawara, M. Kagesawa (The University of Tokyo), H. Kawasaki (Saitama University), M. Onuki, J. Abeki (Mitsubishi Precision), K. Honda (Chodai), K. Ikeuchi (The University of Tokyo), Japan	
12:05-12:30	"Evaluation of the Pavement Rutting Used by KITDS" K. Tomiyama, A. Kawamura, T. Shirakawa (Kitami Institute of Technology), Japan	"Virtual Sound Imaging System Utilizing Java3D Technology" T. Yokoi, T. Saito (Musashi Institute of Technology), Japan	
12:30-13:30	Lunch		
Vision in DS Chairperson: Wilfried Kaeding (DaimlerChrysler)		DS for Education Chairpreson: Yasushi Nishida (ITARDA)	
13:30-13:55	"Eye Movement Patterns in Nighttime Driving: Conventional and Swivelling Headlights" F. Panerai (Renault), D. Toffin (Renault, Collège de France-CNRS), D. Paille (Renault, Renault-CNRS, Collège de France-CNRS), A. Kemeny (Renault, Renault-CNRS, Collège de France-CNRS), France	"A User Configurable PC Platform for Driver Assessment and Training" R. W. Allen, M. R. Guibert, G. D. Park, T. J. Rosenthal (Systems Technology), USA	AIST Driving Simulator Visit (5 min walk from the conference site)
13:55-14:20	"Identification of Visual Cues and Quantification of Drivers' Perception of Proximity Risk to the Lead Vehicle in Car-Following Situations" T. Kondoh, T. Yamamura, S. Kitazaki, N. Kuge (Nissan Motor), Japan, E. R. Boer (LUBEC), USA	"Simulator-Based Training Effectiveness Through Objective Driver Performance Measurement" D. R. Turpin, R. T. Welles (Applied Simulation Technologies), USA	13:15-13:50 Group 1
14:20-14:45	"Speed and Motion Direction Cues Provided by Temporal Anti-Aliasing in Driving Simulator" T. Lefebvre (Renault, University of Marne-la-Vallée), A. Kemeny (Renault, Renault-CNRS, Collège de France-CNRS), D. Arquès (University of Marne-la-Vallée), N. Filliard (VR Motion Lab, CNRS Renault), S. Michelin (University of Marne-la-Vallée), France	"Using Simulators to Train Novice Teen Drivers : Assessing Psychological Fidelity as a Precursor to Transfer of Training" R. F. Slick (Kansas State University), D. F. Evans (DriveSafety), E. Kim, J. P. Steele (Kansas State University), USA	13:50-14:25 Group 2
14:45-15:15	Coffee Break		
Driving DS Chairperson: Francesco Panerai (Renault)		Simulation Model Chairperson: Masao Nagai (Tokyo University of Agriculture and Technology)	
15:15-15:40	"Evaluation and Mitigation of Driving Difficulty on the Simulator" Y. Takahashi (The University of Tokyo, INRETS) Japan/France, S. Espié (INRETS), France, Y. Suda (The University of Tokyo), Japan	"Loop Simulation Model of Driver-Vehicle-Road System Adapted for Road Safety Research" Yang-Zhen, Pan-Xiaodong (Tongji University), China	14:25-15:00 Group 3
15:40-16:05	"Comprehensive Management of Simulator Research Subjects" Y. E. Papelis, O. Ahmad (NADS, Iowa University), USA	"Traffic Road Simulator Design" D. Herviou, E. Maisel, J. Tisseau (CERV), France	15:00-15:35 Group 4
16:05-16:30	"Driving Simulator Validation: Car Following Gap Controllability" E. R. Boer (LUEBEC), USA	"A Real-Time Multibody Vehicle Dynamics Model with Approximate Function Approach for HILS Vehicle Simulator" Sung-Soo Kim, Wanhee Jeon, Sunho Lee (Chungnam National University), Kihan Noh, Dohyun Jung (KATECH), Korea	15:35-16:10 Group 5
16:30-16:55		"Recent Development and Its Application of ADSL Driving Simulator" Guan Hsin, Zhan Jun, Yang Dejun, Wang Peng (Jilin University), China	16:10-16:45 Group 6

Entry for JARI Driving Simulator Visits (June 1st) at Conference Site

**PROGRAM (June 1st)**

	ROOM 1	ROOM 2	
	<b>Human Factors Study Using DS</b> Chairperson: Toshiyuki Inagaki (University of Tsukuba)	<b>Simulator Technology</b> Chairperson: Pierre Gauriat (INRETS)	<b>DS Visit</b>
9:15-9:40	"Analysis of Technical and Biological Outputs from Simulated Driving, Focused on Driver's Fatigue Detection" P. Bouchner, S. Novotný, M. Hajný, R. Pieknik, J. Pěkný, K. Valtrová (Czech Technical University), Czech Republic	"Driving Simulator as Learning Environment for Backing Up Articulated Vehicles" U. Berg, P. Wojke, D. Zöbel (University Koblenz-Landau), Germany	
9:40-10:05	"A Study of Drivers' Behavior Using a Driving Simulator: with Special Reference to Driving Anger and Traffic Congestion" Y. K. Shin, P. N. Yim, H. S. Song, S. C. Kang (Road Traffic Safety Authority), J. H. Cho, W. S. Lee (Kookmin University and InnoSimulation), Korea	"The Application of High Fidelity Simulator to R&D of Combat Vehicles" A. Shimura, F. Wakui, C. Nagata (Japan Defense Agency), Japan	JARI Driving Simulator Visit (20 min by shuttle bus from the conference site)
10:05-10:30	"The Interest of an Interactive Road Crossing Simulation for the Study of Adaptive Road Crossing Behavior" V. Cavallo, R. Lobjois, F. Vienne (INRETS), France	"Development of an Electric Wheelchair Driving Simulator for a Practical Use in Clinical Evaluations" H. Niniss, T. Inoue (National Rehabilitation Center for Persons with Disabilities), M. Kamata, M. Shino, M. Fujita (The University of Tokyo), Japan	10:00-11:40 Group 1 (20 persons)
10:30-11:00	<b>Coffee Break</b>		
	<b>ITS Human Factors (1)</b> Chairperson: Takamasa Suetomi (MAZDA Motor)	<b>Development of DS</b> Chairperson: Wade Allen (STI)	
11:00-11:25	"Driver Behavior Monitoring. Part I. Application to Adaptive Automation Implementation" T. Inagaki, M. Itoh (University of Tsukuba), Japan	"Development of a Low-Cost Driving Simulation System for Safety Study and Training" Ying Wang, Endong Zhang, Wei Zhang (Tsinghua University), Ming C. Leu, Hua Zeng (University of Missouri-Rolla), China	
11:25-11:50	"Driving Simulator Investigation of Multiple Collision Alarm Interference Issues" D. Chiang (Dynamic Research), E. Llaneras (Virginia Tech Transportation Institute), J. Foley (Mitretek Systems), USA	"Study on an Experimental Method for Road Surface Evaluation Using a Driving Simulator" T. Shirakawa, A. Kawamura, K. Tomiyama (kitami Institute of Technology), T. Ishida (Civil Engineering Research Institute of Hokkaido), Japan	
11:50-12:15	"Study on Safety Assist Information of Advanced Cruise-Assist Highway Systems (AHS) Using VICS in Blind Curve Section of Urban Expressway" T. Daimon (Keio University), H. Makino (MLIT), H. Mizutani (Advanced Cruise-Assist Highway System Research Association), Y. Munehiro (Chodai), Japan	"The First Stage Development of KATECH Advanced Automotive Simulator (KAAS)" Si-bok Yu, Soo-Young Lee, Young-Wook Son, Hee-Seok Moon, Hyeong-Ju Noh (KATECH), Korea	
12:15-13:15	<b>Lunch</b>		
	<b>ITS Human Factors (2)</b> Chairperson: Stephane Espie (INRETS)	<b>Motion Control (1)</b> Chairperson: Yasutake Tagawa (Tokyo University of Agriculture and Technology)	13:30-15:10 Group 2 (20 persons)
13:15-13:40	Driver Behavior Monitoring. Part II. Detection of Driver's Inattentiveness Under Distracting Conditions M. Itoh, T. Akiyama, T. Inagaki (University of Tsukuba), Japan	"Driving Task Adaptive Motion-Cueing Algorithm for Driving Simulator" J. Tajima (Advanced Solutions Technology), K. Maruyama, N. Yuhara (Nihon University), Japan	
13:40-14:05	"Experimental Study on Forward Collision Warning System Adapted for Driver Characteristics" T. Kamada, N. Miyoshi, M. Nagai, H. Yoshida (Tokyo university of Agriculture and Technology), Japan	"Do You Feel the Difference? A Motion Assessment Study" M. Brünger-Koch, S. Briest, M. Vollrath (German Aerospace Center), Germany	
14:05-14:30	"Driving Simulator for Head-Up Display Evaluation: Driver's Response Time on Accident Simulation Cases" V. Charissis (Glasgow School of Art), S. Arafat, W. Chan (Glasgow University), C. Christomanos (Aristotle University), UK	"Modeling and Simulation of Motion Sensation Evoked by Vehicle Behavior" N. Kamiji, T. Maruo, T. Wada, S. Doi (Kagawa University), Japan	
14:30-15:00	<b>Coffee Break</b>		14:50-16:10 Group 3 (20 persons)
	<b>Real World and DS</b> Chairperson: Erwin Boer (LUEBEC)	<b>Motion Control (2)</b> Chairperson: Sung- Soo Kim (Chungnam National University)	
15:00-15:25	"Contributions of Driving Simulators to Enhance Real World Safety" J. J. Breuer, W. Käding (DaimlerChrysler), Germany	"Development of Vehicle Driving Simulator Using New Washout Algorithm and Robust Control" Moon-Sik Kim (KATECH), Kyoung-Dal Kim, Min-Cheol Lee (Pusan National University), Korea	
15:25-15:50	"Investigation on Drivers' Behaviour while Approaching an Intersection: Comparison between Real and Simulated Driving" T. Sato, M. Akamatsu (AIST), T. Daimon (Keio University), Japan	"Motion Drive Algorithm Development for a Large Displacement Simulator Architecture with Redundant Degrees of Freedom" P. Grant (University of Toronto Institute for Aerospace Studies), Canada, A. Clark (MTS Systems), USA	
15:50-16:15	"Validation of the Universal Driving Simulator with Interactive Traffic Simulation" Y. Suda (The University of Tokyo), Japan, S. E. Shladover (University of California), USA, Y. Takahashi, M. Onuki, K. Matsushita (The University of Tokyo), Japan, M. Kanoh (Toshiba Solutions), Japan, K. Honda (Chodai), Japan, T. Shiraiishi (The University of Tokyo), Japan	"Control Performance Improvement of Motion Simulator in the High-frequency Range" Y. Tagawa, K. Ishida (Tokyo University of Agriculture and Technology), K. Wakairo, K. Funabiki (Japan Aerospace Exploration Agency), T. Nasu, N. Kato (Mitsubishi Precision), Japan	
16:15-16:30	<b>Plenary Closing Session (ROOM 1)</b>		
	<b>Move to Hotel by Shuttle Bus</b>		
18:30-20:30	<b>Conference Party (CAMELIA, Okura Frontia Hotel)</b>		