

# **2010 IEEE Intelligent Vehicles Symposium**

**(IV 2010)**

**La Jolla, California, USA  
21-24 June 2010**

**Pages 1-639**



**IEEE Catalog Number: CFP10IVS-PRT  
ISBN: 978-1-4244-7866-8**

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Chair: Nunes, Urbano	Inst. for Systems and Robotics			
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Alba, Jose L.	Univ. of Vigo		Xi, Junqiang	Beijing Inst. of Tech.
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Gu, Yanlei	Nagoya Univ.		Chen, Huiyan	Beijing Inst. of Tech.
Yendo, Tomohiro	Nagoya Univ.		Jiang, Yanhua	Beijing Inst. of Tech.
Panahpour Tehrani, Mehrdad	Nagoya Univ.		10:00-11:10	TuB1.12
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Wang, Jianqiang	Tsinghua Univ.		Dang, Thao	Daimler AG
Liu, Zhifeng	Tsinghua Univ.		Breuel, Gabi	Daimler AG
Yi, Shichun	Tsinghua Univ.		10:00-11:10	TuB1.13
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Benine-Neto, André	LCPC/INRETS		10:00-11:10	TuB1.14
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Mammar, Said	INRETS		Wang, Wenjia	Hitachi (China) Res. & Development Corp.
Pasillas-Lepine, William	Lab. des signaux et systemes, CNRS-Supelec		Zhang, Yuhe	Hitachi (China) Res. & Development Corp.
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Einhaus, Julian	Daimler AG, Group Res.		Bie, Jing	Univ. of Twente
Hahn, Markus	Daimler AG, Group Res.		Jin, Lisheng	Nanling Campus of Jilin Univ.
Kummert, Franz	Bielefeld Univ.		van Arem, Bart	Delft Univ. of Tech.
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Zhang, Yankun	harman international, Corp. Tech. group,shanghaioffice		Li, Qingquan	Wuhan Univ.
Hong, Chuyang	harman international, Corp. Tech. group,shanghaioffice		Mao, Qingzhou	Wuhan Univ.
Charles, Wang	harman international, Corp. Tech. group,shanghaioffice		Zou, Qin	Wuhan Univ.
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Manasseh, Christian	UC Berkeley		Olariu, Stephan	Old Dominion Univ.
Rezaei, Shahram	UC Berkeley		Weigle, Michele C.	Old Dominion Univ.
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Deguchi, Daisuke	Nagoya Univ.		Yang, Bin	Univ. of Stuttgart
Takahashi, Tomokazu	Nagoya Univ.		10:00-11:10	TuB1.19
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Murase, Hiroshi	Nagoya Univ.		Hautiere, Nicolas	Univ. Paris-Est, INRETS-LCPC
Tamatsu, Yukimasa	DENSO Corp.		Glaser, Sébastien	LCPC
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Remillard, Jeffrey	Ford Motor Company		Gruyer, Dominique	INRETS/LCPC
Hoetzer, Dieter	Robert Bosch LLC		Smal, Jean-christophe	Inst. National de Recherche sur les Transports et leur Securi
			Blosseville, Jean-marc	INRETS

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Gomes, Pedro Emanuel	Inst. de Telecomunicações	Hanmandlu, Madasu	I.I.T. DELHI
Rodrigues		10:00-11:10	TuB1.32
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Vieira, Fausto	Inst. de Telecomunicações, Faculdade de Engenharia da Univ.	Chun, Changmook	Korea Inst. of Science and Tech.
Ferreira, Michel	Inst. de Telecomunicações	Suh, Seungbeum	Korea Inst. of Science & Tech.
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Luu, Hong Tu	LIVIC	Kang, Sungchul	Korea Inst. of Science and Tech.
Nouveliere, Lydie	IBISC/Univ. of Evry - LCPC/LIVIC	Lee, Jung-yup	Hyundai-Rotem
Mammar, Said	INRETS	Han, Chang-soo	Hanyang Univ.
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Gruyer, Dominique	INRETS/LCPC	Lee, Yung-Chou	National Chiao Tung Univ.
Glaser, Sébastien	LCPC		
Mammar, Said	INRETS		
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Langer, Dirk	Volkswagen of America	Chair: Stiller, Christoph	Karlsruhe Inst. of Tech.
Stanek, Ganymed	Stanford Univ.	11:10-11:30	TuC1.1
Mueller-Bessler, Bernhard	Volkswagen Group of America	<i>Curb Reconstruction Using Conditional Random Fields</i> , pp. 203-210.	
Huhnke, Burkhard	Volkswagen Group of America	Siegemund, Jan	Univ. of Bonn
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Arróspide, Jon	Univ. Pol. de Madrid	Förstner, Wolfgang	Univ. Bonn
Salgado, Luis	UPM	11:30-11:50	TuC1.2
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Bassem, Besbes	National Inst. for Applied Sciences- Rouen	Fremont, Vincent	Univ. of Tech. of Compiègne
Alexandrina, Rogozan	National Inst. of Applied Sciences- Rouen	Bonnifait, Philippe	Univ. Tech. Compiègne
Abdelaziz, Benshair	National Inst. of Applied Sciences- Rouen,	Cherfaoui, Véronique	
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Yu, Tao	Center for Robust Speech System, Univ. of Texas at Dallas	Pfeiffer, David	Daimler AG
Hansen, John	Univ. of Texas at Dallas	Franke, Uwe	Daimler AG
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Trivedi, Mohan M.	Univ. of California at San Diego	13:30-13:50	TuD1.1
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Tawari, Ashish	Univ. of California, San Diego	Janssen, Simon Jacobus	Fontys Univ. of Applied Sciences
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Tran, Cuong	Univ. of California, San Diego	Trivedi, Mohan M.	Univ. of California at San Diego
Trivedi, Mohan M.	Univ. of California at San Diego	14:10-14:30	TuD1.3
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		Kamaruddin, Norhaslinda	Nanyang Tech. Univ. Singapore
		Abdul Rahman, Abdul Wahab	International Islamic Univ. Malaysia
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		Daniel, Jeremie	Univ. of Haute Alsace
		Birouche, Abderazik	Univ. of Haute Alsace
		Lauffenburger, Jean-Philippe	Univ. of Haute-Alsace

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Zhang, Xi	Karlsruhe Inst. of Tech.
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Zhou, Shengyan	Beijing Inst. of Tech.
Gong, Jianwei	Beijing Inst. of Tech.
Xiong, Guangming	Beijing Inst. of Tech.
Chen, Huiyan	Beijing Inst. of Tech.
Iagnemma, Karl	Massachusetts Inst. of Tech.
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Gruyer, Dominique	INRETS/LCPC
Pechberti, Steve	LCPC
Gingras, Denis	Intelligent Materials and Systems Inst. Univ. de Sherbrooke
Dupin, Francis	INRETS/LCPC
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Schmid, Matthias Roland	Univ. of the Bundeswehr, Munich
Maehlich, Mirko	Daimler AG
Dickmann, Jürgen	Daimler AG
Wuensche, Hans Joachim	Univ.
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Cohen, Andrea	Univ. of Tech. of Belfort-Montbéliard
Meurie, Cyril	Univ. of Tech. of Belfort-Montbéliard
Ruichek, Yassine	Univ. of Tech. of Belfort-Montbéliard
Marais, Juliette	THE FRENCH NATIONAL Inst. FOR TRANSPORT AND SAFETY Res.
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Wimmer, Andreas	Univ. of Ulm
Jungel, Tobias	Univ. of Ulm, Inst. of Measurement, Control, and Microt
Glueck, Manuel	Univ. of Ulm, Inst. of Measurement, Control, and Microt
Dietmayer, Klaus Christian	Univ. of Ulm
Jürgen	
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Kitt, Bernd	KIT
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Bouzouraa, Mohamed	AUDI AG
Essayed	
Hofmann, Ulrich	Audi AG Ingolstadt
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Lim, Young-Chul	Deagu Gyeongbuk Inst. of S&T
Lee, Chung-Hee	Deagu Gyeongbuk Inst. of Science & Tech.
Kwon, Soon	Deagu Gyeongbuk Inst. of Science & Tech.
Lee, Jong-Hun	Daegu Gyeongbuk Inst. of Science & Tech.
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Kastner, Robert	Darmstadt Univ. of Tech.
Fritsch, Jannik	Honda Res. Inst. Europe GmbH
Goerick, Christian	Honda Res. Inst. Europe GmbH
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Spalanzani, Anne	INRIA
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Hofmann, Ulrich	Audi AG Ingolstadt
Gies, Stefan	Volkswagen AG
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Horn, Berthold K.P.	MIT
Masaki, Ichiro	MIT
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Michalke, Thomas	Daimler AG
Burbach, Thomas	Darmstadt Univ. of Tech.
Fritsch, Jannik	Honda Res. Inst. Europe GmbH
Goerick, Christian	Honda Res. Inst. Europe GmbH
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Raksincharoensak, Pongsathorn	Tokyo Univ. of Agriculture and Tech.
Shimizu, Ikuko	Tokyo Univ. of Agriculture and Tech.
Nagai, Masao	Tokyo Univ. of Agriculture and Tech.
Adomat, Rolf	Continental
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Mita, Seiichi	Toyota Tech. Inst.
McAllester, David	Toyota Tech. Inst. at Chicago
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Pantilie, Cosmin	Tech. Univ. of Cluj-Napoca	Xiong, Guangming	Beijing Inst. of Tech.
Oniga, Florin Ioan	Tech. Univ. of Cluj Napoca	Tao, Gang	Beijing Inst. of Tech.
Nedevschi, Sergiu	Tech. Univ. of Cluj-Napoca	Chen, Huiyan	Beijing Inst. of Tech.
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Heijnen, Michel	Student, School of Medical Tech. Zuyd Univ.	Ring, Jochen	Fraunhofer Inst. of Optronics, System Tech. and Image
Abdul Rahman, Abdul Wahab	International Islamic Univ. Malaysia	14:50-16:00	TuE1.31
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Schneider, Sebastian	Univ. of the Bundeswehr Munich	Chichka, David	The George Washington Univ.
Himmelsbach, Michael	Univ. of the Bundeswehr, Munich	<b>TuF1</b> Room T1	
Luettel, Thorsten	Univ. of the Bundeswehr Munich	<b>Image, Radar, Lidar Signal Processing 1 (Regular Session)</b>	
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Tarel, Jean-Philippe	Univ. Paris-Est, INRETS-LCPC	Cho, Hyunggi	Carnegie Mellon Univ.
Foucher, Philippe	CETE de l'Est	Rybski, Paul	Carnegie Mellon Univ.
Charbonnier, Pierre	LRPC	Zhang, Wende	GM R&D
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Nakatsubo, Kota	Meijo Univ.	Mattern, Norman	Chemnitz Univ. of Tech.
Yamada, Keiichi	Meijo Univ.	Schubert, Robin	Chemnitz Univ. of Tech.
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Serfling, Matthias	Daimler AG	Jüngling, Kai	Fraunhofer IOSB
Löhlein, Otto	Daimler AG	Arens, Michael	Fraunhofer IOSB
Schüle, Florian	Daimler AG	17:00-17:20	TuF1.4
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Jürgen		Hautiere, Nicolas	Univ. Paris-Est, INRETS-LCPC
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Konrad, Marcus	Univ. of Ulm	Halmaoui, Houssam	Univ. LIVIC, INRETS-LCPC
Szczot, Magdalena	Daimler AG	17:20-17:40	TuF1.5
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Schamm, Thomas	FZI Forschungszentrum Informatik	17:40-18:00	TuF1.6
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Zöllner, J. Marius	FZI Forschungszentrum Informatik	Jazayeri, Amirali	IUPUI
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Kim, Kyungnam	HRL Lab. LLC	Tuceryan, Mihran	IUPUI
Owechko, Yuri	HRL Lab. LLC.	<b>WeA1</b> Room T1	
Medasani, Swarup	HRL Lab. LLC	<b>Automated Vehicles (Regular Session)</b>	
14:50-16:00	TuE1.29	Chair: Barth, Matthew	Univ. of California-Riverside
<i>The Recognition and Tracking of Traffic Lights Based on Color Segmentation and CAMSHIFT for Intelligent Vehicles</i> , pp. 431-435.		08:30-08:50	WeA1.1
Gong, Jianwei	Beijing Inst. of Tech.	<i>Sensing Requirements for a 13, 000 Km Intercontinental Autonomous Drive</i> , pp. 500-505.	

Broggi, Alberto	Univ. of Parma	566-571.	
Bombini, Luca	Univ. degli Studi di Parma	Zhang, Hesheng	beijing jiaotong Univ.
Cattani, Stefano	Univ. of Parma	09:50-11:00	WeB1.9
Cerri, Pietro	Univ. of Parma	<i>CO-Simulation Trace Analysis (COSITA) Tool for Vehicle Electronic Architecture Diagnosability Analysis</i> , pp. 572-578.	
Fedriga, Rean Isabella	Univ. of Parma	Khlif, Manel	Univ. de Tech. de Compiègne
08:50-09:10	WeA1.2	Tahan, Oussama	Univ. de Tech. de Compiègne - France
<i>Stadtpilot: Driving Autonomously on Braunschweig's Inner Ring Road</i> , pp. 506-511.			
Wille, Joern Marten	Tech. Univ. Braunschweig	Shawky, M.	Univ. de Tech. de Compiègne
Saust, Falko	Tech. Univ. Braunschweig	09:50-11:00	WeB1.10
Maurer, Markus	TU Braunschweig	<i>A Secure and Privacy Protecting Protocol for VANET</i> , pp. 579-584.	
09:10-09:30	WeA1.3	Bayrak, Ali Osman	National Res. Inst. of Electronics and Cryptology, Gebze
<i>A Prediction and Cost Function-Based Algorithm for Robust Autonomous Freeway Driving</i> , pp. 512-517.			
Wei, Junqing	Carnegie Mellon Univ.	Acarman, Tankut	Galatasaray Univ.
Dolan, John	Carnegie Mellon Univ.	09:50-11:00	WeB1.11
Litkouhi, Bakhtiar	General Motor R&D Center	<i>Vision-Based Onboard Unit for Inattentive Driving Warning and Car-Following Control</i> , pp. 585-590.	
09:30-09:50	WeA1.4	Chang, Tang-Hsien	National Taiwan Univ.
<i>Fast Collision Checking for Intelligent Vehicle Motion Planning</i> , pp. 518-522.			
Ziegler, Julius	Karlsruhe Inst. of Tech.	Wang, Chieh	National Taiwan Univ.
Stiller, Christoph	Karlsruhe Inst. of Tech.	09:50-11:00	WeB1.12
<b>WeB1</b> Room T1			
<b>Poster Session 3 (Poster Session)</b>			
Chair: Acarman, Tankut	Galatasaray Univ.	Zani, Paolo	Univ. degli Studi di Parma
09:50-11:00	WeB1.1	Felisa, Mirko	Univ. di Parma
<i>Research on the Quantitative Evaluation System for Ground Unmanned Vehicles</i> , pp. 523-527.			
Xiong, Guangming	Beijing Inst. of Tech.	09:50-11:00	WeB1.13
Zhao, Xijun	Beijing Inst. of Tech.	<i>Optimal Omnidirectional Sensor for Urban Traffic Diagnosis in Crossroads</i> , pp. 597-602.	
Liu, Haiou	Beijing Inst. of Tech.	Ghorayeb, Ali	MIS-UPJV
Gong, Jianwei	Beijing Inst. of Tech.	Potelle, Alex	CREA
Zhang, Haojie	Beijing Inst. of Tech.	Mouaddib, El Mustapha	Univ. of Picardy Jules Verne
Chen, Huiyan	Beijing Inst. of Tech.	Devendeville, Laure	Univ. de Picardie
09:50-11:00	WeB1.2	09:50-11:00	WeB1.14
<i>Efficient Integral Image Computation on the GPU</i> , pp. 528-533.			
Bilgic, Berkin	Massachusetts Inst. of Tech.	<i>An Adaptive Failure Detection System for Vehicular Ad-Hoc Networks</i> , pp. 603-608.	
Horn, Berthold K.P.	MIT	Cambruzzi, Eduardo	Federal Inst. of Science and Tech. of Bahia
Masaki, Ichiro	MIT	Farines, Jean-Marie	Federal Univ. of Santa Catarina
09:50-11:00	WeB1.3	Macedo, Raimundo Jose	Federal Univ. of Bahia
<i>Hybrid Adaptive Control of an Active Multi-Focal Vision System</i> , pp. 534-539.			
Unterholzner, Alois	Univ. of the Bundeswehr Munich	Kraus Jr., Werner	Federal Univ. of Santa Catarina
Wuensche, Hans Joachim	Univ.	09:50-11:00	WeB1.15
09:50-11:00	WeB1.4	<i>Map Based Road Boundary Estimation</i> , pp. 609-614.	
<i>A System Architecture for IP-Camera Based Driver Assistance Applications</i> , pp. 540-547.			
Hintermaier, Wolfgang	BMW	Darms, Michael	Continental AG
Steinbach, Eckehard	Tech. Univ. Muenchen	Komar, Matthias	Continental AG
09:50-11:00	WeB1.5	Lueke, Stefan	Continental AG
<i>A Spatial QoS Requirements Specification for V2V Applications</i> , pp. 548-553.			
Lidström, Kristoffer	Halmstad Univ.	09:50-11:00	WeB1.16
Larsson, Tony	Halmstad Univ.	<i>Determining Time to Traverse Road Sections Based on Mapping Discrete GPS Vehicle Data to Continuous Flows</i> , pp. 615-620.	
09:50-11:00	WeB1.6	Miller, Jeffrey	Univ. of Alaska, Anchorage
<i>Study on the Evaluation Method of Probe Car System</i> , pp. 554-559.			
Liu, Bo	Hitachi (China) Res. & Development Corp.	Kim, Sun-il	Univ. of Alaska, Anchorage
Li, Lan	HCR&D	Ali, Muhammad	Univ. of Alaska, Anchorage
Liu, Kai	HBIS	Menard, Timothy	Univ. of Alaska, Anchorage
09:50-11:00	WeB1.7	09:50-11:00	WeB1.17
<i>Fast Segmentation of 3D Point Clouds for Ground Vehicles</i> , pp. 560-565.			
Himmelsbach, Michael	Univ. of the Bundeswehr, Munich	<i>Geographic Information for Vision-Based Road Detection</i> , pp. 621-626.	
von Hundelshausen, Felix	Univ. of the Bundeswehr Munich	Alvarez, José M.	Univ. Autònoma de Barcelona
Wuensche, Hans Joachim	Univ.	Lumbreras, Felipe	Univ. Autònoma de Barcelona
09:50-11:00	WeB1.8	Gevers, Theo	Intelligent Systems Lab. Amsterdam, Faculty of Science, Univ.
<i>A Sensor Network for Urban Traffic Information Acquisition</i> , pp.			
		López, Antonio M.	Univ. Autònoma de Barcelona
		09:50-11:00	WeB1.18
		<i>Scalable and Location-Aware ITS Content Management in Vehicular Environments</i> , pp. 627-633.	
		Elskenawy, Mohamed	Univ. of Regina
		EL-Darieby, Mohamed	Univ. of Regina
		Abdulhai, Bahar	Univ. of Toronto
		09:50-11:00	WeB1.19
		<i>Evaluating Sensor Effects on Perception Performance</i> , pp. 634-639.	
		Franz, Stefan	Daimler AG

Willersinn, Dieter Kroschel, Kristian	Fraunhofer IOSB Fraunhofer IOSB	09:50-11:00	WeB1.31
09:50-11:00 <i>Cruise Control with Adaptation and Wheel Torque Constraints for Improved Fuel Economy</i> , pp. 640-645.		WeB1.20	
Kahveci, Nazli E. Ioannou, Petros	Ford Motor Company Univ. of Southern California		Lab. d'Informatique de Grenoble UJF-INRIA
09:50-11:00 <i>Vision-Based Online-Calibration of Inertial Gaze Stabilization</i> , pp. 646-651.		WeB1.21	
Unterholzner, Alois Rohland, Michael Schweitzer, Michael Wuensche, Hans Joachim	Univ. of the Bundeswehr Munich Univ. of the Bundeswehr Munich Univ. of Federal Armed Forces Univ.		
09:50-11:00 <i>Joint Optimization of Control Network Design in Time and Space Domains</i> , pp. 652-657.		WeB1.22	
Kim, Seongwoo Choi, Mideum Seo, Seungwoo	Seoul National Univ. Seoul National Univ. Seoul National Univ.		
09:50-11:00 <i>Low-Cost Sensors for Image Based Measurement of 2D Velocity and Yaw Rate</i> , pp. 658-662.		WeB1.23	
Joos, Malte Ziegler, Julius Stiller, Christoph	Karlsruhe Inst. of Tech. Univ. of Karlsruhe Karlsruhe Inst. of Tech.		
09:50-11:00 <i>A SOA-Based Middleware Concept for In-Vehicle Service Discovery and Device Integration</i> , pp. 663-669.		WeB1.24	
Eichhorn, Michael Pfannenstein, Martin	Tech. Univ. München Tech. Univ. Muenchen		
09:50-11:00 <i>Simulation and Calibration of Infrastructure Based Laser Scanner Networks at Intersections</i> , pp. 670-675.		WeB1.25	
Meissner, Daniel Alexander Dietmayer, Klaus Christian Jürgen	Univ. of Ulm Univ. of Ulm		
09:50-11:00 <i>Improved Vision-Based Lane Tracker Performance Using Vehicle Localization</i> , pp. 676-681.		WeB1.26	
Sivaraman, Sayanan Trivedi, Mohan M.	Univ. of California San Diego Univ. of California at San Diego		
09:50-11:00 <i>How Flying Got Smarter</i> , pp. 682-687.		WeB1.27	
Bohn, Roger	UC San Diego		
09:50-11:00 <i>Role of Directional Wireless Communication in Vehicular Networks</i> , pp. 688-693.		WeB1.28	
Agarwal, Ashish Little, Thomas	Boston Univ. Boston Univ.		
09:50-11:00 <i>A Policy-Based Multi-Agent Management Approach for Intelligent Traffic-Light Control</i> , pp. 694-699.		WeB1.29	
Guerrero Ibáñez, Juan Antonio Buenostro Mariscal, Raymundo Contreras Castillo, Juan José	Univ. of Colima Coll. of Telematics, Univ. of Colima Coll. of Telematics, Univ. of Colima		
Barba Marti, Antoni Reyes Muñoz, Angélica	Telematics Department, Tech. Univ. of Catalonia Computers Architecture Department, Tech. Univ. of		
09:50-11:00 <i>Back-Off and Retransmission Strategies for Throughput Enhancement of Broadcast Transmissions in 802.11p</i> , pp. 700-705.		WeB1.30	
Alapati, Jayakrishna Pandya, Bhoomek Merchant, Shabbir Desai, Uday	IIT Bombay IIT Bombay IIT Bombay IIT-Hyderabad		
09:50-11:00 <i>Multiple Pedestrian Tracking Using Viterbi Data Association</i> , pp. 706-711.			WeB1.31
Azim, Asma Aycard, Olivier			Lab. d'Informatique de Grenoble UJF-INRIA
<b>WeC1</b>			Room T1
<b>Driver Assistance Systems 2 (Regular Session)</b>			
Chair: Nedeveschi, Sergiu		Tech. Univ. of Cluj-Napoca	
11:00-11:20 <i>Design of a New GIS for ADAS Oriented Applications</i> , pp. 712-716.		WeC1.1	
Ammoun, Samer Nashashibi, Fawzi Bargeton, Alexandre			INRIA Mines Paris - ParisTech Ec. des Mines de Paris (ParisTech)
11:20-11:40 <i>Assessment of Adequate Overtaking Margin (AOM) for an Overtaking Assistance System</i> , pp. 717-722.		WeC1.2	
Hohm, Andree Winner, Hermann			Tech. Univ. Darmstadt Tech. Univ. Darmstadt
11:40-12:00 <i>Stereo Assist: Top-Down Stereo for Driver Assistance Systems</i> , pp. 723-730.		WeC1.3	
Stein, Gideon Shashua, Amnon Gdalyahu, Yoram			MobilEye Vision Tech. Ltd. Hebrew Univ. Jerusalem Mobileye Vision Tech. Ltd.
<b>WeD1</b>			Room T1
<b>Information Fusion (Regular Session)</b>			
14:00-14:20 <i>Towards a Task Dependent Representation Generation for Scene Analysis</i> , pp. 731-737.		WeD1.1	
Kastner, Robert Michalke, Thomas Fritsch, Jannik Goerick, Christian			Darmstadt Univ. of Tech. Daimler AG Honda Res. Inst. Europe GmbH Honda Res. Inst. Europe GmbH
14:20-14:40 <i>A Unified Bayesian Approach for Tracking and Situation Assessment</i> , pp. 738-745.		WeD1.2	
Schubert, Robin Wanielik, Gerd			Chemnitz Univ. of Tech. Chemnitz Univ. of Tech.
14:40-15:00 <i>Integration of Multiple Vehicle Models with an IMM Filter for Vehicle Localization</i> , pp. 746-751.		WeD1.3	
Jo, Kichun Chu, Keonyup Lee, Kangyoon Sunwoo, Myounggho			Hanyang Univ. Hanyang Univ. Hanyang Univ. Hanyang Univ.
15:00-15:20 <i>Multi-Sensor Data Fusion for Autonomous Vehicle Navigation through Adaptive Particle Filter</i> , pp. 752-759.		WeD1.4	
Tehrani Nik Nejad, Hossein Mita, Seiichi Han, Long			Toyota Tech. Inst. Toyota Tech. Inst. Toyota Tech. Inst.
15:20-15:40 <i>Probabilistic Modeling of Sensor Properties in Generic Fusion Systems for Modern Driver Assistance Systems</i> , pp. 760-765.		WeD1.5	
Munz, Michael Maehlich, Mirko Dickmann, Jürgen Dietmayer, Klaus Christian Jürgen			Ulm Univ. Daimler AG Daimler AG Univ. of Ulm
15:40-16:00 <i>A Confidence Measure for Vehicle Tracking Based on a Generalization of Bayes Estimation</i> , pp. 766-772.		WeD1.6	
Altendorfer, Richard Matzka, Stephan			TRW Automotive Heriot-Watt Univ.
<b>WeE1</b>			Room T1

**Poster Session 4 (Poster Session)**

Chair: Blossville, Jean-marc	INRETS		
16:00-17:10	WeE1.1		
<i>Context-Aware Pedestrian Detection Using LIDAR</i> , pp. 773-778.			
Oliveira, Luciano	Inst. of Systems and Robotics - Univ. of Coimbra		
Nunes, Urbano	Inst. for Systems and Robotics		
16:00-17:10	WeE1.2		
<i>Minimisation of Alignment Error between a Camera and a Laser Range Finder Using Nelder-Mead Simplex Direct Search</i> , pp. 779-786.			
Osgood, Thomas James	Univ. of Warwick		
Huang, Yingping	Warwick Univ.		
Young, Ken	Univ. of Warwick		
16:00-17:10	WeE1.3		
<i>3D-Segmentation of Traffic Environments with U/V-Disparity Supported by Radar-Given Masterpoints</i> , pp. 787-792.			
Teutsch, Michael	Karlsruhe Inst. of Tech. (KIT)		
Dr. Heger, Thomas	Robert Bosch GmbH		
Schamm, Thomas	FZI Forschungszentrum Informatik		
Zöllner, J. Marius	FZI Forschungszentrum Informatik		
16:00-17:10	WeE1.4		
<i>High-Speed-Camera Image Processing Based LED Traffic Light Detection for Road-To-Vehicle Visible Light Communication</i> , pp. 793-798.			
Premachandra, H.C.N.	Nagoya Univ.		
Yendo, Tomohiro	Nagoya Univ.		
Panahpour Tehrani, Mehrdad	Nagoya Univ.		
Yamazato, Takaya	Nagoya Univ.		
Okada, Hiraku	Saitama Univ.		
Fujii, Toshiaki	Tokyo Inst. of Tech.		
Tanimoto, Masayuki	Nagoya Univ.		
16:00-17:10	WeE1.5		
<i>Pattern Recognition by Cluster Accumulation</i> , pp. 799-804.			
Bhatia, Amit	NCSU		
Snyder, Wesley	NCSU		
Bilbro, Griff	NCSU		
16:00-17:10	WeE1.6		
<i>Moving Obstacle Detection Using Cameras for Driver Assistance System</i> , pp. 805-812.			
Nishigaki, Morimichi	Honda R&D Co., Ltd.		
Aloimonos, Yiannis	Univ. of Maryland		
16:00-17:10	WeE1.7		
<i>Robust Visual Surveillance Based Traffic Information Analysis and Forewarning in Urban Dynamic Scenes</i> , pp. 813-818.			
Shao, Jie	Tongji Univ.		
Jia, Zhen	United Tech. Res. Center		
Li, Zhi-peng	Tongji Univ.		
Liu, Fuqiang	Tongji Univ.		
Zhao, Jianwei	United Tech. Res. Center		
Peng, Pei-Yuan	United Tech. Res. Center		
16:00-17:10	WeE1.8		
<i>Occupancy Grid Computation from Dense Stereo and Sparse Structure and Motion Points for Automotive Applications</i> , pp. 819-824.			
Lategahn, Henning	Karlsruhe Inst. of Tech. Inst. of Measurement and		
Derendarz, Wojciech	Volkswagen AG		
Graf, Thorsten	Volkswagen AG		
Kitt, Bernd	KIT		
Effertz, Jan	Volkswagen AG		
16:00-17:10	WeE1.9		
<i>Temporal Consistent Fast Stereo Matching for Advanced Driver Assistance Systems (ADAS)</i> , pp. 825-831.			
El Ansari, Mohamed	Faculty of Science, Ibn Zohr Univ.		
Mousset, Stéphane	INSA/Univ. de ROUEN		
Benshair, Abdelaziz	INSA de Rouen		
Bebis, George	Univ. of Nevada		
16:00-17:10	WeE1.10		
<i>Automatic Extrinsic Camera Self-Calibration Based on Homography and Epipolar Geometry</i> , pp. 832-839.			
Miksch, Michael		Univ. of Stuttgart	
Yang, Bin		Univ. of Stuttgart	
Zimmermann, Klaus		Sony Deutschland GmbH	
16:00-17:10	WeE1.11		
<i>Pedestrian Crossing Detecting As a Part of an Urban Pedestrian Safety System</i> , pp. 840-844.			
Sichelschmidt, Sebastian		Univ. of Wuppertal	
Haselhoff, Anselm		Univ. of Wuppertal	
Kummert, Anton		Univ. of Wuppertal	
Roehder, Martin		AUDI AG	
Elias, Bjoern		AUDI AG	
16:00-17:10	WeE1.12		
<i>LIDAR-Based Road and Road-Edge Detection</i> , pp. 845-848.			
Zhang, Wende		GM R&D	
16:00-17:10	WeE1.13		
<i>Multilayer Lidar-Based Pedestrian Tracking in Urban Environments</i> , pp. 849-854.			
Sato, Seiichi		Graduate school of Doshisha Univ.	
Hashimoto, Masafumi		Doshisha Univ.	
Takita, Manabu		Graduate School of Doshisha Univ.	
Takagi, Kiyokazu		DENSO Corp.	
Ogawa, Takashi		DENSO Corp.	
16:00-17:10	WeE1.14		
<i>Egomotion Estimation Using Planar and Non-Planar Constraints</i> , pp. 855-862.			
Azuma, Takahiro		Honda Elesys co ltd.	
Okutomi, Masatoshi		Tokyo Inst. of Tech.	
Sugimoto, Shigeki		Tokyo Inst. of Tech.	
16:00-17:10	WeE1.15		
<i>Detection of Independently Moving Objects through Stereo-Vision and Ego-Motion Extraction</i> , pp. 863-870.			
Bak, Adrien		Inst. d'Electronique Fondamentale - Univ. Paris Sud	
Bouchafa, Samia		Univ. Paris XI	
Aubert, Didier		INRETS/LCPC	
16:00-17:10	WeE1.16		
<i>Vehicle Localisation Using a Single Camera</i> , pp. 871-876.			
Cui, Jianzhu		Tongji Univ.	
Liu, Fuqiang		Tongji Univ.	
Li, Zhiheng		Tsinghua Univ.	
Jia, Zhen		United Tech. Res. Center	
16:00-17:10	WeE1.17		
<i>Drivable Road Region Detection Using a Single Laser Range Finder for Outdoor Patrol Robots</i> , pp. 877-882.			
Shin, Yoojin		Korea Univ.	
Jung, Changbae		Korea Univ.	
Chung, Woojin		Korea Univ.	
16:00-17:10	WeE1.18		
<i>On Visual Crosswalk Detection for Driver Assistance Systems</i> , pp. 883-888.			
Haselhoff, Anselm		Univ. of Wuppertal	
Kummert, Anton		Univ. of Wuppertal	
16:00-17:10	WeE1.19		
<i>Road Obstacle Classification with Attention Windows</i> , pp. 889-895.			
Prokhorov, Danil		Toyota Res. Inst. NA	
16:00-17:10	WeE1.20		
<i>Fast and Reliable Recognition of Supplementary Traffic Signs</i> , pp. 896-901.			
Nienhäuser, Dennis		FZI Forschungszentrum Informatik	
Gumpp, Thomas		FZI Forschungszentrum Informatik	
Zöllner, J. Marius		FZI Forschungszentrum Informatik	
Natroshevili, Koba		HARMAN International / BECKER Automotive Systems	
16:00-17:10	WeE1.21		
<i>Real Time 3D Terrain Elevation Mapping Using Ants Optimization Algorithm and Stereo Vision</i> , pp. 902-909.			
Cappalunga, Andrea		Univ. of Parma	



Carlsson, Stina Mellegird, Niklas	Volvo Cars Corp. Chalmers Univ. of Tech.	09:50-11:00	ThB1.12
09:50-11:00	ThB1.2	<i>Driving Risk Classification Based on Experts Evaluation</i> , pp. 1098-1103.	
<i>Bézier Curve Based Path Planning for Autonomous Vehicle in Urban Environment</i> , pp. 1036-1042.		S. Siordia, Oscar Martín de Diego, Isaac Conde, Cristina Reyes Salgado, Gerardo	Univ. Rey Juan Carlos Univ. Rey Juan Carlos Univ. Rey Juan Carlos Centro Nacional de Investigación y Desarrollo Tecnológico
Han, Long Yashiro, Hironari Tehrani Nik Nejad, Hossein Do, Quoc Huy Mita, Seiichi	Toyota Tech. Inst. Toyota Tech. Inst. Toyota Tech. Inst. Toyota Tech. Inst. Toyota Tech. Inst.	Cabello, Enrique	Univ. Rey Juan Carlos
09:50-11:00	ThB1.3	09:50-11:00	ThB1.13
<i>Client-Server Network Architecture for Safe Pilgrim Journey in the Kingdom of Saudi Arabia</i> , pp. 1043-1048.		<i>The Delay of Bus Near a Stop When Mixed Traffic Flow Is Considered</i> , pp. 1104-1109.	
Ben Dhaou, Imed	Al Jouf Univ.	Lu, Lu Su, Yuelong Yao, Danya Peng, Lihui Ding, Mang Xu, Runmin	Tsinghua Univ. Tsinghua Univ. Tsinghua Univ. Tsinghua Univ. Tsinghua Univ. Tsinghua Univ.
09:50-11:00	ThB1.4	09:50-11:00	ThB1.14
<i>Autonomous Driving of Intelligent Vehicle BIT in 2009 Future Challenge of China</i> , pp. 1049-1053.		<i>Overview of a Dynamic Evaluation of Collective Taxi Systems Providing an Optimal Performance</i> , pp. 1110-1115.	
Xiong, Guangming Zhou, Peiyun Zhou, Shengyan Zhao, Xijun Zhang, Haojie Gong, Jianwei Chen, Huiyan	Beijing Inst. of Tech. Beijing Inst. of Tech. Beijing Inst. of Tech. Beijing Inst. of Tech. Beijing Inst. of Tech. Beijing Inst. of Tech. Beijing Inst. of Tech.	Lioris, Jennie Eugenie Cohen, Guy de La Fortelle, Arnaud	ENPC Ec. Ponts ParisTech ENSMP
09:50-11:00	ThB1.5	09:50-11:00	ThB1.15
<i>An Object-Oriented Design of a World Model for Autonomous City Vehicles</i> , pp. 1054-1059.		<i>A 802.11p Prototype Implementation</i> , pp. 1116-1121.	
Furda, Andrei Vlacic, Ljubo	Griffith Univ. Griffith Univ.	Carona, Duarte Serrador, Antonio Mar, Pedro	ISEL - Inst. Superior de Engenharia de Lisboa ISEL Univ. of Aveiro, Inst. de Telecomunicações
09:50-11:00	ThB1.6	Abreu, Ricardo Matos Ferreira, Nuno Meireles, Tiago Matos, João Nuno Pimentel Silva Lopes, Jorge	Inst. de Telecomunicações Univ. da Madeira Univ. da Madeira Univ. de Aveiro Brisa Innovation and Tech.
<i>Autonomous Ground Vehicle Navigation Method in Complex Environment</i> , pp. 1060-1065.		09:50-11:00	ThB1.16
Yang, Yi Fu, Mengyin Yang, Xin Xiong, Guangming Gong, Jianwei	Beijing Inst. of Tech. Beijing Inst. of Tech. Beijing Inst. of Tech. Beijing Inst. of Tech. Beijing Inst. of Tech.	<i>Multiple Hypothesis Tracking for Automated Vehicle Perception</i> , pp. 1122-1127.	
09:50-11:00	ThB1.7	Thomaidis, Georgios Spinoulas, Leonidas Lytrivis, Panagiotis Ahrholdt, Malte Grubb, Grant Amditis, Angelos	Inst. of Comm. and Comp. Syst. National Tech. Univ. of Athens Inst. of Comm. & Comp. Syst. Volvo Tech. AB Volvo Tech. AB Inst. of Communications and Computer Systems
<i>Development of a Collaborative Vehicle Collision Avoidance System</i> , pp. 1066-1071.		09:50-11:00	ThB1.17
Konstantinidis, Evdokimos	Lab. of Medical Informatics, Medical School, Aristotle University	<i>Improving Performance of Inter-Vehicle Communication Using LMS Adaptive Circular Array Antenna</i> , pp. 1128-1133.	
Patoulidis, George	Tech. Educational Inst. (TEI) of Western Macedonia	Yamamoto, Ken Ohno, Kohei Itami, Makoto	Tokyo Univ. of Science Tokyo Univ. of Science Tokyo Univ. of Science
Vandikas, Ioannis	Department of Electrical Engineering, Tech. Educational	09:50-11:00	ThB1.18
Parisses, Constantinos	Department of Electrical Engineering, Tech. Educational	<i>Hybrid Fusion Scheme for Pedestrian Detection Based on Laser Scanner and Far Infrared Camera</i> , pp. 1134-1139.	
Asimopoulos, Nikos	Department of Electrical Engineering, Tech. Educational	Garcia, Fernando Olmeda, Daniel Armingol Moreno, José María de la Escalera, Arturo	Univ. Carlos III de Madrid Univ. Carlos III Univ. Carlos III de Madrid Univ. Carlos III de Madrid
09:50-11:00	ThB1.8	09:50-11:00	ThB1.19
<i>Truck Automation Operational Concept Alternatives</i> , pp. 1072-1077.		<i>Dynamic Network Flow Modeling Based on Cell Probe Data</i> , pp. 1140-1145.	
Shladover, Steven E.	Univ. of California, Berkeley	Dong, Shen Qin, Xiao Zhang, Yi Shi, Qixin Ran, Bin	Tsinghua Univ. South Dakota State Univ. Univ. of Wisconsin - Madison Tsinghua Univ. Univ. of Wisconsin at Madison
09:50-11:00	ThB1.9	09:50-11:00	ThB1.20
<i>Safety Verification of Autonomous Vehicles for Coordinated Evasive Maneuvers</i> , pp. 1078-1083.		<i>Design of a Modular Demonstrator for Safety Application Systems</i> :	
Althoff, Matthias Althoff, Daniel Wollherr, Dirk Buss, Martin	Tech. Univ. München Tech. Univ. München Tech. Univ. München TU Muenchen		
09:50-11:00	ThB1.10		
<i>On Worst Case Performance of Collision Avoidance Systems</i> , pp. 1084-1091.			
Nilsson, Jonas Ödblom, Anders C.E.	Volvo Car Corp. Volvo Car Corp.		
09:50-11:00	ThB1.11		
<i>Object Related Reactive Offset Maneuver</i> , pp. 1092-1097.			
Hecker, Falk Luettel, Thorsten Wuensche, Hans Joachim	Univ. of the Bundeswehr Munich Univ. of the Bundeswehr Munich Univ.		

