

2011 IEEE Intelligent Vehicles Symposium

(IV 2011)

**Baden-Baden, Germany
5 – 9 June 2011**

Pages 1-612



**IEEE Catalog Number: CFP11IVS-PRT
ISBN: 978-1-4577-0890-9**

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Technical Program for Monday June 6, 2011

MoPoster1T1 Poster 1 on Monday (Poster Session)	Room T1
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09:45-11:10 <i>A Comparative Study of Stereo-Matching Algorithms for Road-Modeling in the Presence of Windscreen Wipers</i> , pp. 7-12. Schauwecker, Konstantin Morales, Sandino	MoPoster1T1.3 The Univ. of Auckland Department of Computer Science, Univ. of Auckland, NewZeala
Hermann, Simon Klette, Reinhard	The Univ. of Auckland The Univ. of Auckland
09:45-11:10 <i>A Scalable Cellular Automata Based Microscopic Traffic Simulation</i> , pp. 4-11. Korček, Pavol Sekanina, Lukáš Fučík, Otto	MoPoster1T1.4 Brno Univ. of Tech. - Faculty of InformationTechnology Brno Univ. of Tech. - Faculty of Information Tech. Brno Univ. of Tech. - Faculty of Information Tech.
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09:45-11:10 <i>Flight Path Tracking Based-On Direct Adaptive Sliding Mode Control</i> , pp. 25-30. Bouadi, Hakim WU HONGYING, H.WU Félix Mora-Camino, F.Mora-Camino	MoPoster1T1.6 Automation and Operational Res. Lab. (LARA), Air Tansp Automation and Operational Res. Lab. (LARA), Air Tansp Automation and Operational Res. Lab. (LARA), Air Tansp
09:45-11:10 <i>Traffic Density Estimation under Heterogeneous Traffic Conditions Using Data Fusion</i> , pp. 31-36. Anand, Asha Vanajakshi, Lelitha Subramanian, Shankar	MoPoster1T1.7 Indian Inst. of Tech. Indian Inst. of Tech. Madras Indian Inst. of Tech. Madras
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Kastner, Robert Kühnl, Tobias Fritsch, Jannik Goerick, Christian	Honda R&D Europe (Deutschland) GmbH Bielefeld Univ. Honda Res. Inst. Europe GmbH Honda Res. Inst. Europe GmbH
09:45-11:10 <i>Estimation of Traffic Incident Delay and Its Impact Analysis Based on Cell Transmission Model</i> , pp. 54-59. Ji, Yangbeibei	MoPoster1T1.11 Shanghai Inst. of Tech.
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Yamada, Keiichi	Meijo Univ.	
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Kumar, Vasantha	Doctoral candidate, Dept. of Civil engg., IIT Madras	
Vanajakshi, Lelitha	Indian Inst. of Tech. Madras	
Subramanian, Shankar	Indian Inst. of Tech. Madras	
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Klappstein, Jens	Daimler AG	
Sarholz, Frederik	Daimler AG	
Dickmann, Jürgen	Daimler AG	
Dietmayer, Klaus	Univ. of Ulm	
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Asahi, Kensaku	Meijo Univ.	
Banno, Hideki	Meijo Univ.	
Yamamoto, Osami	Meijo Univ.	
Ogawa, Akira	Meijo Univ.	
Yamada, Keiichi	Meijo Univ.	
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Houben, Sebastian	Ruhruniversität Bochum	
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Ahmed-Zaid, Farid	Ford Motor Company	
Bai, Sue	Honda R & D Americas, Inc	
Caminiti, Lorenzo	Toyota	
Mudalige, Priyantha	General Motors	
Peredo, Michael	Mercedes-Benz Res. and Development North America, Inc	
Popovic, Zeljko	Honda R & D Americas, Inc.	
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Michalek, Maciej, Marcin	Poznan Univ. of Tech.	
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He, Wen	Tsinghua Univ.	
Wang, Xiaodong	Tsinghua Univ.	
Chen, Guisheng	Chinese Inst. of Electronic System Engineering	
Guo, Mu	Tsinghua Univ.	
Zhang, Tianlei	Tsinghua Univ.	
Han, Peng	Chongqing Science and Tech.	

Zhang, Ruijian	Chongqing Science and Tech. Res. Inst.
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09:45-11:10 MoPoster1T1.27

Mapping in Dynamic Environments Using Stereo Vision, pp. 150-156.

Lategahn, Henning Karlsruhe Inst. of Tech. Inst. of Measurement & Control

Graf, Thorsten Volkswagen AG

Hasberg, Carsten Univ. of Karlsruhe

Kitt, Bernd KIT

Effertz, Jan Volkswagen AG

MoOral1T1 Room T1

State of the Art and Challenges of Autonomous Driving (Special session)

11:10-11:30 MoOral1T1.1

Autonomous Exploration of Unknown Terrain for Groups of Mobile Robots, pp. 157-162.

Lopes, Samuel Notre Dame

Frisch, Brian Univ. of Notre Dame

Boeing, Adrian Univ. of Western Australia

Vinsen, Kevin The Univ. of Western Australia

Braunl, Thomas The Univ. of Western Australia

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Levinson, Jesse Stanford Univ.

Askeland, Jake Volkswagen Electronics Res. Lab. Palo Alto, CA

Becker, Jan Robert Bosch LLC

Dolson, Jennifer Stanford Univ.

Held, David Stanford Univ.

Kammel, Sören Bosch RTC

Kolter, J. Zico Massachusetts Inst. of Tech.

Langer, Dirk Volkswagen of America

Pink, Oliver Robert Bosch GmbH

Pratt, Vaughan Stanford Univ.

Sokolsky, Michael Stanford Univ.

Stanek, Ganymed Stanford Univ.

Stavens, David Michael Stanford Univ.

Teichman, Alex Stanford Univ.

Werling, Moritz BMW Group Forschung und Tech. GmbH

Thrun, Sebastian Stanford Univ. & Google Inc

11:50-12:10 MoOral1T1.3

Autonomous Vehicle Guidance on Braunschweig's Inner Ring Road within the Stadtpilot Project, pp. 169-174.

Saust, Falko Tech. Univ. Braunschweig

Wille, Joern Marten Tech. Univ. Braunschweig

Lichte, Bernd Tech. Univ. Braunschweig

Maurer, Markus TU Braunschweig

12:10-12:30 MoOral1T1.4

VIAC: An Out of Ordinary Experiment, pp. 175-180.

Bertozzi, Massimo Univ. di Parma

Bombini, Luca Univ. degli Studi di Parma

Broggi, Alberto Univ. of Parma

Cardarelli, Elena Univ. of Parma

Cattani, Stefano Univ. of Parma

Cerri, Pietro Univ. of Parma

Fedriga, Rean Isabella	Univ. of Parma
Felisa, Mirko	Univ. degli Studi di Parma
Gatti, Luca	Parma Univ.
Grisleri, Paolo	Univ. of Parma
Mazzei, Luca	Parma Univ.
Medici, Paolo	Univ. di Parma
Porta, Pier Paolo	Univ. of Parma
Zani, Paolo	Univ. degli Studi di Parma
buzzoni, michele	Univ. of Parma
Coati, Alessandro	Univ. of Parma - Dip. di Ingegneria dell'Informazione, VisL
Giacomazzo, Alessandro	Univ. degli Studi di Parma
Debattisti, Stefano	Univ. di Parma
Falzoni, Andrea	Univ. di Parma
Laghi, Maria Chiara	Univ. di Parma
Panciroli, Matteo	Univ. di Parma
Versari, Pietro	Univ. di Parma

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Michalke, Thomas Paul	Daimler AG
Stein, Fridtjof	Daimler AG
Franke, Uwe	Daimler AG

14:00-14:20	MoOral2T1.2
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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.
Kim, Jonghwan	Daegu Gyeongbuk Inst. of Science & Tech.

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Glavtchev, Vladimir	Univ. of California at Davis
Muyan-Ozcelik, Pinar	Univ. of California, Davis
Ota, Jeff	BMW Group
Owens, John	Univ. of California, Davis

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Hermann, Simon	The Univ. of Auckland
Morales, Sandino	Department of Computer Science, Univ. of Auckland, NewZeala
Klette, Reinhard	The Univ. of Auckland

MoPoster2T1	Room T1
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Durekovic, Sinisa	NAVTEQ
Smith, Nic	NAVTEQ

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Categorization, pp. 212-217.

Yebe Torres, José Javier	Univ. of Alcalá
Fernández Alcantarilla, Pablo	Univ. of Alcalá
Bergasa, Luis M.	Univ. of Alcalá

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A Strategy on Situation Evaluation for Driver Assistance Systems in Commercial Vehicles Considering Pedestrians in Urban Traffic, pp. 218-223.

Otto, Carola	Karlsruhe Inst. of Tech. Daimler AG
Puente León, Fernando	Karlsruhe Inst. of Tech.
Schwarzaupt, Andreas	Daimler AG

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Goto, Kunihiro	Toyota Central R&D Lab. Inc.
Kidono, Kiyosumi	Toyota Central R&D Lab. Inc.
Yoshikatsu, Kimura	TOYOTA CENTRAL R&D Lab.
Naito, Takashi	Toyota Central R&D Lab. Inc.

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New Results in Stereovision Based Lane Tracking, pp. 230-235.

Danescu, Radu Gabriel	Tech. Univ. of Cluj-Napoca
Nedeveschi, Sergiu	Tech. Univ. of Cluj-Napoca

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An Interactive Method for Extrinsic Parameter Calibration of Onboard Camera, pp. 236-241.

Tan, Jun	National Univ. of Defense Tech.
Li, Jian	National Univ. of Defense Tech.
An, Xiangjing	National Univ. of Defense Tech.
He, Hangen	National Univ. of Defense Tech.

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Huck, Tobias	Daimler AG
Westenberger, Antje	Daimler AG
Fritzsche, Martin	Daimler AG
Schwarz, Tilo	Daimler AG
Dietmayer, Klaus	Univ. of Ulm

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Particle Filter Vehicle Localization and Map-Matching Using Map Topology, pp. 248-253.

Peker, Ufuk A	Bogazici Univ.
Tosun, Oğuz	Bogazici Univ.
Acarman, Tankut	Galatasaray Univ.

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Schmid, Matthias Roland	Univ. of the Bundeswehr, Munich
Ates, Savas	Daimler AG
Dickmann, Jürgen	Daimler AG
von Hundelshausen, Felix	Univ. of the Bundeswehr Munich
Wuensche, Hans Joachim	Department of Aerospace

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Lauer, Martin	Karlsruher Inst. für Tech.
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Integrated Vehicle Classification System, pp. 266-271.

Ferreira, Pedro M. C.	ISEL
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Jorge, Pedro	ISEL
Marques, Gonçalo	ISEL
Abrantes, Arnaldo	ISEL
Amador, Antonio	BRISA - Auto-estradas de Portugal S. A.
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Chadli, Mohammed	MIS- UPJV
Dahmani, Hamid	MIS- UPJV
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Menard, Timothy	Univ. of Alaska, Anchorage
Miller, Jeffrey	Univ. of Alaska, Anchorage
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Zhao, Pan	Inst. of Advanced Manufacturing Tech. ChineseAcademy o
Chen, Jiajia	Inst. of Advanced ManufacturingTechnology, ChineseAcademy of
Mei, Tao	Hefei Inst. of Physical Science, Chinese Acad. of Science
Liang, Huawei	Inst. of Advanced Manufacturing Tech. ChineseAcademy o
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Deguchi, Daisuke	Nagoya Univ.
Takahashi, Tomokazu	Nagoya Univ.
Ide, Ichiro	Nagoya Univ.
Murase, Hiroshi	Nagoya Univ.
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Suganuma, Naoki	Kanazawa Univ.
Uozumi, Takahiro	Kanazawa Univ.
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li, ming	Wuhan Univ.
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Gabb, Michael	Univ. of Ulm
Löhlein, Otto	Daimler AG
Oberländer, Matthias	Daimler AG
Heidemann, Gunther	Stuttgart Univ. Intelligent Systems Group
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Kaplan, Kemal	Bogazici Univ.
Akin, H. Levent	Boğaziçi Univ.
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Matilainen, Mika	Aato Univ.

Tuononen, Ari Juhani	Aalto Univ.
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Overett, Gary Mark	NICTA
Petersson, Lars	NICTA
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Do, Quoc Huy	Toyota Tech. Inst.
MITA, Seiichi	Toyota Tech. Inst.
Tehrani Nik Nejad, Hossein	Toyota Tech. Inst.
HAN, Long	Toyota Tech. Inst.
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Nentwig, Mirko	Audi AG
Stamminger, Marc	Univ. of Erlangen-Nuremberg
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Cai, Yanhui	Chinese Acad. of Surveying and Mapping
Cheng, Pengfei	Chinese Acad. of Surveying and Mapping
Meng, Xiaolin	The Univ. of Nottingham
Tang, Weiming	GNSS Res. Centre, Wuhan Univ.
Shi, Chuang	GNSS Res. Centre, Wuhan Univ.
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Hashimoto, Naohisa	National Inst. of AIST
Ozguner, Umit	Ohio State Univ.
Sawant, Neil	Ohio State Univ.
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Teijeiro-Mosquera, Lucía	Univ. of Vigo
Alba, Jose L.	Univ. of Vigo
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Baig, Qadeer	UJF-INRIA
Aycard, Olivier	UJF-INRIA
Vu, Trung-Dung	INRIA Rhone Alpes
Fraichard, Thierry	Inria Grenoble Rhône-Alpes
MoOral3T1	Room T1
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Geissler, Torsten	Federal Highway Res. Inst. (BAST)
Schindhelm, Roland	Federal Highway Res. Inst. (BAST)
Luedeke, Andreas	Federal Highway Res. Inst. (BAST)

16:50-17:10 MoOral3T1.2

A Maneuver-Based Lane Change Assistance System, pp. 375-380.

Habenicht, Stefan	Tech. Univ. Darmstadt
Winner, Hermann	Tech. Univ. Darmstadt
Bone, Sven	Honda R&D (Deutschland) Europe GmbH
Sasse, Fabian	Tech. Univ. Darmstadt
Korzenietz, Peter	Tech. Univ. Darmstadt

17:10-17:30 MoOral3T1.3

Development and Evaluation of a Performance Metric for Image-Based Driver Assistance Systems, pp. 381-386.

Smith, Kip	Cognitive Engineering and Decision Making, Inc
Schweiger, Roland	Daimler AG
Ritter, Werner	Daimler AG
Källhammer, Jan-Erik	Autoliv Development AB

17:30-17:50 MoOral3T1.4

Vehicle Localization Using Cooperative RF-Based Landmarks, pp. 387-392.

Kloeden, Horst	BMW Group Res. and Tech.
Schwarz, Daniel	BMW Group
Biebl, Erwin	Tech. Univ. München
Rasshofer, Ralph	BMW Forschung und Tech. GmbH

Technical Program for Tuesday June 7, 2011

TuOral1T1			Room T1
Advanced Perception Systems (Regular Session)			
08:30-08:50			TuOral1T1.1
<i>Velodyne SLAM</i> , pp. 393-398.			
Moosmann, Frank	Karlsruhe Inst. of Tech.		
Stiller, Christoph	Karlsruhe Inst. of Tech.		
08:50-09:10			TuOral1T1.2
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GALLEN, Romain	LCPC		
Cord, Aurelien	Univ. LIVIC, IFSTTAR		
HAUTIERE, Nicolas	Univ. Paris-Est, IFSTTAR		
Aubert, Didier	Ifsttar		
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Kidono, Kiyosumi	Toyota Central R&D Lab. Inc.		
Miyasaka, Takeo	Toyota Central Res. and Development Lab. Inc.		
Watanabe, Akihiro	Toyota Central R&D Lab. Inc.		
Naito, Takashi	Toyota Central R&D Lab. Inc.		
Miura, Jun	Toyohashi Univ. of Tech.		
TuPoster1T1			Room T1
Poster 1 on Tuesday (Poster Session)			
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Geyer, Sebastian	Tech. Univ. Darmstadt, Inst. of Automotive Engine		
Hakuli, Stephan	Tech. Univ. Darmstadt, Inst. of Automotive Engine		
Winner, Hermann	Tech. Univ. Darmstadt		
Franz, Benjamin	Darmstadt Univ. of Tech. Inst. of Ergonomics		
Kauer, Michaela	Tech. Univ. Darmstadt		
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Unger, Christian	BMW Group		
Wahl, Eric	BMW AG		
Ilic, Slobodan	Tech. Univ. München		
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<i>Efficient Segmentation of 3D LIDAR Point Clouds Handling Partial Occlusion</i> , pp. 423-428.			
Aue, Jan	Volkswagen AG		
Langer, Dirk	Volkswagen of America		
Mueller-Bessler, Bernhard	Volkswagen Group of America		
Huhnke, Burkhard	Volkswagen Group of America		
09:30-11:00			TuPoster1T1.4
<i>Pedestrian Detectability: Predicting Human Perception Performance with Machine Vision</i> , pp. 429-435.			
Engel, David	Max Planck Inst. for Biological Cybernetics		
Curio, Cristobal	Max Planck Inst. for Biological Cybernetics		
09:30-11:00			TuPoster1T1.5
<i>Towards a Robust Exchange of Imperfect Information in</i>			

Inter-Vehicle Ad-Hoc Networks Using Belief Functions, pp. 436-441.

BOU FARAH, Mira	Univ. of Lille North of France, UArtois, LGI2A
Mercier, David	Univ. of Artois
LEFEVRE, Eric	IUT de Béthune Departement GEII
Delmotte, Francois	Univ. of Artois

09:30-11:00 TuPoster1T1.6

Real-Time Detection and Classification of Arrow Markings Using Curve-Based Prototype Fitting, pp. 442-447.

Schindler, Andreas	Univ. of Passau
Maier, Georg	FORWISS, Univ. of Passau, Germany
Pangerl, Sebastian	Univ. Passau, Germany

09:30-11:00 TuPoster1T1.7

Torque Vectoring with a Feedback and Feed Forward Controller - Applied to a through the Road Hybrid Electric Vehicle, pp. 448-453.

Kaiser, Gerd	Intedis GmbH
Holzmann, Frederic	Siemens VDO Automotive
Chretien, Benoît	Intedis
Korte, Matthias	Intedis GmbH
Werner, Herbert	Tech. Univ. Hamburg Harburg

09:30-11:00 TuPoster1T1.8

Collision Warning Dissemination in Vehicles Strings: An Empirical Measurement, pp. 454-459.

Demmel, Sébastien	QUT & IFSTTAR
Gruyer, Dominique	IFSTTAR
Besnier, Joëlle	IFSTTAR
Ben Jemaa, Inès	INRIA
PECHBERTI, Steve	IFSTTAR
Rakotonirainy, Andry	Queensland Univ. of Tech.

09:30-11:00 TuPoster1T1.9

Road Image Update Using In-Vehicle Camera Images and Aerial Image, pp. 460-465.

Noda, Masafumi	Nagoya Univ.
Takahashi, Tomokazu	Nagoya Univ.
Deguchi, Daisuke	Nagoya Univ.
Ide, Ichiro	Nagoya Univ.
Murase, Hiroshi	Nagoya Univ.
Kojima, Yoshiko	TOYOTA Central R&D Lab. Inc.
Naito, Takashi	Toyota Central R&D Lab. Inc.

09:30-11:00 TuPoster1T1.10

Tracking Moving Vehicles Using an Advanced Grid-Based Bayesian Filter Approach, pp. 466-472.

Alin, Andreas	Univ. Würzburg
Butz, Martin V.	Univ. of Würzburg
Fritsch, Jannik	Honda Res. Inst. Europe GmbH

09:30-11:00 TuPoster1T1.11

An Analysis of Data Traffic in Cellular Networks Caused by Inter-Vehicle Communication at Intersections, pp. 473-478.

Mangel, Thomas	BMW Group Res. and Tech.
Hartenstein, Hannes	Karlsruhe Inst. of Tech.

09:30-11:00 TuPoster1T1.12

Determining the Outline Contour of Vehicles in 3D-LIDAR-Measurements, pp. 479-484.

Steinemann, Philipp	Daimler AG
Klapstein, Jens	Daimler AG
Dickmann, Jürgen	Daimler AG
Wuensche, Hans Joachim	Department of Aerospace

von Hundelshausen, Felix	Univ. of the Bundeswehr Munich
09:30-11:00	TuPoster1T1.13
<i>A Single Camera Based Rear Obstacle Detection System</i> , pp. 485-490.	
Yankun, Zhang	Harman Internatinal, Advance Driver AssistanceGroup,Shanghai RD
Hong, Chuyang	harman international, advance driver assistance group,shanghaiof
Weyrich, Norman	harman international, advance driver assistance group,shanghaiof
09:30-11:00	TuPoster1T1.14
<i>A Generic Obstacle Detection Method for Collision Avoidance</i> , pp. 491-496.	
Ben Romdhane, Nadra	MIRACL Lab.
HAMMAMI, Mohamed	MIRACL Lab.
Ben-Abdallah, Hanene	MIRACL Lab.
09:30-11:00	TuPoster1T1.15
<i>Real-Time Quasi Dense Two-Frames Depth Map for Autonomous Guided Vehicles</i> , pp. 497-503.	
Ducrot, André	INRIA
Dumortier, Yann	INRIA / ENSMP
Herlin, Isabelle	INRIA / CLIME
Ducrot, Vincent	Inria
09:30-11:00	TuPoster1T1.16
<i>Taking Advantage of V2V Communications for Traffic Management</i> , pp. 504-509.	
Bazzi, Alessandro	DEIS, Univ. of Bologna
Masini, Barbara Mavi	Univ. of Bologna
09:30-11:00	TuPoster1T1.17
<i>Vehicle Geo-Localization Based on IMM-UKF Data Fusion Using a GPS Receiver, a Video Camera, and a 3D City Model</i> , pp. 510-515.	
Dawood, maya	lille1 Univ. and lebanese Univ.
Cappelle, Cindy	SeT - Lab. Systèmes et Transports
El Badaoui El Najjar, Maan	LAGIS
khalil, mohamad	lebanese Univ.
Pomorski, Denis	LAGIS
09:30-11:00	TuPoster1T1.18
<i>Simulative Analysis of Accuracy Demands of Co-Operative Localization in the CoVeL Project</i> , pp. 516-521.	
Mattern, Norman	Chemnitz Univ. of Tech.
Obst, Marcus	Chemnitz Univ. of Tech.
Schubert, Robin	Chemnitz Univ. of Tech.
Wanielik, Gerd	Chemnitz Univ. of Tech.
09:30-11:00	TuPoster1T1.19
<i>A Multi-Channel Beacon Forwarding Approach in Dual Radio Vehicular Ad-Hoc Networks</i> , pp. 522-527.	
Lasowski, Robert	Univ. of Munich
Schmidt, Robert K.	Denso Automotive GmbH
09:30-11:00	TuPoster1T1.20
<i>Security Aspects of the In-Vehicle Network in the Connected Car</i> , pp. 528-533.	
Kleberger, Pierre	Chalmers Univ. of Tech.
Olovsson, Tomas	Chalmers Univ. of Tech.
Jonsson, Erland	CHALMERS
09:30-11:00	TuPoster1T1.21
<i>Empirical Evaluation of Vehicular Models for Ego Motion Estimation</i> , pp. 534-539.	

Schubert, Robin	Chemnitz Univ. of Tech.
Adam, Christian	Chemnitz Univ. of Tech.
Obst, Marcus	Chemnitz Univ. of Tech.
Mattern, Norman	Chemnitz Univ. of Tech.
Leonhardt, Veit	Chemnitz Univ. of Tech.
Wanielik, Gerd	Chemnitz Univ. of Tech.
09:30-11:00	TuPoster1T1.22
<i>Learning the Human Longitudinal Control Behavior with a Modular Hierarchical Bayesian Mixture-Of-Behaviors Model</i> , pp. 540-545.	
Eilers, Mark	OFFIS e.V.
Möbus, Claus	C.v.O. Univ. of Oldenburg
09:30-11:00	TuPoster1T1.23
<i>Traffic Interactions: Estimate Driving Behavior's Influence</i> , pp. 546-551.	
Bando, Takashi	DENSO Corp.
Miyahara, Takayuki	DENSO Corp.
Tamatsu, Yukimasa	DENSO Corp.
09:30-11:00	TuPoster1T1.25
<i>Improving the Performance of Vehicular Networks in High Traffic Density Conditions with Cognitive Radios</i> , pp. 552-556.	
Kirsch, Nicholas	Univ. of New Hampshire
O'Connor, Brett	Univ. of New Hampshire
09:30-11:00	TuPoster1T1.26
<i>Development of a Driver Assistance System for Long Timber Transportation Trucks to Improve Tracking Behavior</i> , pp. 557-562.	
Zhang, Xi	Karlsruhe Inst. of Tech.
Reich, Tristan	Karlsruhe Inst. of Tech. Chair of Mobile Machines
09:30-11:00	TuPoster1T1.27
<i>A Legal Safety Concept for Highly Automated Driving on Highways</i> , pp. 563-570.	
Vanholme, Benoit	IFSTTAR
Gruyer, Dominique	IFSTTAR
Glaser, Sébastien	LCPC
Mammar, Said	Univ. EVRY
TuOral2T1 Room T1	
Driver Intention and Situation Assessment (Regular Session)	
11:00-11:20	TuOral2T1.1
<i>Handling Uncertainties in Criticality Assessment</i> , pp. 571-576.	
Berthelot, Adam	Daimler AG
Tamke, Andreas	Daimler AG
Dang, Thao	Daimler AG
Breuel, Gabi	Daimler AG
11:20-11:40	TuOral2T1.2
<i>Pedal Error Prediction by Driver Foot Gesture Analysis: A Vision-Based Inquiry</i> , pp. 577-582.	
Tran, Cuong	Univ. of California, San Diego
Doshi, Anup	Univ. of California, San Diego
Trivedi, Mohan M.	Univ. of California at San Diego
11:40-12:00	TuOral2T1.3
<i>Exploiting Map Information for Driver Intention Estimation at Road Intersections</i> , pp. 583-588.	
Lefevre, Stephanie	INRIA
Laugier, Christian	INRIA
Ibanez Guzman, Javier	Renault S.A.S,
TuOral3T1 Room T1	
Human Factors (Regular Session)	

14:00-14:20	TuOral3T1.1
<i>Studying Effects of Advanced Driver Assistance Systems (ADAS) on Individual and Group Level Using Multi-Driver Simulation</i> , pp. 589-594.	
Maag, Christian	Univ. of Wuerzburg
Mühlbacher, Dominik	Univ. of Wuerzburg
Mark, Christian	Univ. of Wuerzburg
Krüger, Hans-Peter	Univ. of Wuerzburg
14:20-14:40	TuOral3T1.2
<i>A Bayesian Approach for Driving Behavior Inference</i> , pp. 595-600.	
Agamennoni, Gabriel	The Univ. of Sydney
Nieto, Juan Ignacio	The Univ. of Sydney
Nebot, Eduardo	ACFR Univ. of Sydney
14:40-15:00	TuOral3T1.3
<i>Behavior Classification Algorithms at Intersections and Validation Using Naturalistic Data</i> , pp. 601-606.	
Aoude, Georges	MIT
Desaraju, Vishnu	MIT
Stephens, Lauren	MIT
How, Jonathan	MIT
TuPoster2T1	Room T1
Poster 2 on Tuesday (Poster Session)	
15:00-16:30	TuPoster2T1.1
<i>Short-Time Traffic Flow Prediction with ARIMA-GARCH Model</i> , pp. 607-612.	
Chen, Chenyi	Tsinghua Univ.
HU, Jianming	Tsinghua Univ.
Meng, Qiang	Tsinghua Univ.
ZHANG, Yi	Tsinghua Univ.
15:00-16:30	TuPoster2T1.2
<i>Traffic Sign Recognition Using Ridge Regression and OTSU Method</i> , pp. 613-618.	
Jiang, Yanhua	Beijing Inst. of Tech.
Zhou, Shengyan	Beijing Inst. of Tech.
Jiang, Yan	Beijing Inst. of Tech.
Gong, Jianwei	Beijing Inst. of Tech.
Xiong, Guangming	Beijing Inst. of Tech.
Chen, Huiyan	Beijing Inst. of Tech.
15:00-16:30	TuPoster2T1.3
<i>Real-Time Recognition of Personal Routes Using Instance-Based Learning</i> , pp. 619-624.	
Mazhelis, Oleksiy	Univ. of Jyväskylä, Finland
15:00-16:30	TuPoster2T1.4
<i>Object Tracking in Urban Intersections Based on Active Use of a Priori Knowledge: Active Interacting Multi Model Filter</i> , pp. 625-630.	
Dyckmanns, Helgo	Hella KGaA Hueck & Co.
Matthaei, Richard	Tech. Univ. Braunschweig
Maurer, Markus	TU Braunschweig
Lichte, Bernd	Tech. Univ. Braunschweig
Effertz, Jan	Volkswagen AG
Dr. Stueker, Dirk	Volkswagen AG
15:00-16:30	TuPoster2T1.5
<i>Extended Floating Car Data System - Experimental Study -</i> , pp. 631-636.	
Quintero Minguez, Raúl	Univ. of Alcalá
Llamazares Llamazares, Angel	Univ. of Alcalá
Fernandez Llorca, David	Univ. of Alcalá

Sotelo, Miguel A.	Univ. of Alcalá
Bellot Cortés, Luis Eduardo	Univ. of Alcalá
Marcos Martín, Oscar	Univ. of Alcalá
García Daza, Iván	Univ. of Alcalá
Fernandez Lopez, Carlos	Univ. of Alcalá
15:00-16:30	TuPoster2T1.6
<i>A Temporal Filter Approach for Detection and Reconstruction of Curbs and Road Surfaces Based on Conditional Random Fields</i> , pp. 637-642.	
Siegemund, Jan	Univ. of Bonn
Franke, Uwe	Daimler AG
Förstner, Wolfgang	Univ. Bonn
15:00-16:30	TuPoster2T1.7
<i>Robust Monocular Visual Odometry by Uncertainty Voting</i> , pp. 643-647.	
Van Hamme, David	Univ. Coll. Ghent
Peter, Veelaert	Ghent Univ. - Univ. Coll. Ghent
Philips, Wilfried	Ghent Univ. IBBT
15:00-16:30	TuPoster2T1.8
<i>Estimating Damage-Mitigation Level of Collision-Prevention Support Braking</i> , pp. 648-653.	
Suzuki, Keisuke	Kagawa Univ.
Tanaka, Hitoshi	Kagawa Univ.
Miichi, Yoshiki, Miichi	Toyota Motor Corp.
Aga, Masami	Toyota Motor Corp.
15:00-16:30	TuPoster2T1.9
<i>Performance of CAM Based Safety Applications Using ITS-G5A MAC in High Dense Scenarios</i> , pp. 654-660.	
Kloiber, Bernhard	German Aerospace Center (DLR)
Strang, Thomas	German Aerospace Center (DLR)
Roeckl, Matthias	German Aerospace Center (DLR)
de Ponte Müller, Fabian	German Aerospace Center (DLR)
15:00-16:30	TuPoster2T1.10
<i>Modify Car Following Model by Human Effects Based on Locally Linear Neuro Fuzzy</i> , pp. 661-666.	
Khodayari, Alireza	K. N. Toosi Univ. of Tech.
Ghaffari, Ali	K.N.Toosi Univ.
Kazemi, Reza	K.N.Toosi Univ.
Reinhard Braunstingl, Prof.	Inst. of Mechanics, Graz Univ. of Tech. Graz, Aus
15:00-16:30	TuPoster2T1.11
<i>Estimation of Traffic Sign Visibility Considering Temporal Environmental Changes for Smart Driver Assistance</i> , pp. 667-672.	
Doman, Keisuke	Nagoya Univ.
Deguchi, Daisuke	Nagoya Univ.
Takahashi, Tomokazu	Nagoya Univ.
Mekada, Yoshito	Chukyo Univ.
Ide, Ichiro	Nagoya Univ.
Murase, Hiroshi	Nagoya Univ.
Tamatsu, Yukimasa	DENSO Corp.
15:00-16:30	TuPoster2T1.12
<i>Object-Oriented Bayesian Networks for Detection of Lane Change Maneuvers</i> , pp. 673-678.	
Kasper, Dietmar	Daimler AG
Dang, Thao	Daimler AG
Breuel, Gabi	Daimler AG
Tamke, Andreas	Daimler AG

Weidl, Galia	Daimler AG
Rosenstiel, Wolfgang	Eberhard Karls Univ. Tübingen
15:00-16:30	TuPoster2T1.13
<i>A Generic Video and Radar Data Fusion System for Improved Target Selection</i> , pp. 679-684.	
Mueller, Dennis	Delphi Electronics & Safety
Pauli, Josef	Univ. Duisburg-Essen
Meuter, Mirko	Delphi Electronics & Safety
Ghosh, Lali	Delphi Electronics and Safety
Müller-Schneiders, Stefan	Delphi Corp.
15:00-16:30	TuPoster2T1.14
<i>Analysis of V2X Communication Parameters for the Development of a Fusion Architecture for Cooperative Perception Systems</i> , pp. 685-690.	
Rauch, Andreas	BMW Group
Klanner, Felix	BMW Group
Dietmayer, Klaus	Univ. of Ulm
15:00-16:30	TuPoster2T1.15
<i>A New Benchmark for Stereo-Based Pedestrian Detection</i> , pp. 691-696.	
Keller, Christoph Gustav	Univ. of Heidelberg
Enzweiler, Markus	Daimler AG
Gavrila, Dariu M.	Daimler AG Group Res.
15:00-16:30	TuPoster2T1.16
<i>A Flexible Method for Criticality Assessment in Driver Assistance Systems</i> , pp. 697-702.	
Tamke, Andreas	Daimler AG
Dang, Thao	Daimler AG
Breuel, Gabi	Daimler AG
15:00-16:30	TuPoster2T1.17
<i>A Fast and Robust Intelligent Headlight Controller for Vehicles</i> , pp. 703-708.	
Connell, Jonathan	IBM T.J. Watson Res.
Herta, Benjamin	IBM T.J. Watson Res.
Pankanti, Sharath	IBM
Hess, Holger	Magna Electronics
Pliefke, Sebastian	Magna Electronics
15:00-16:30	TuPoster2T1.18
<i>A New Nonlinear Observer Using Unscented Kalman Filter to Estimate Sideslip Angle, Lateral Tire Road Forces and Tire Road Friction Coefficient</i> , pp. 709-714.	
Cheng, Qi	Univ. de Tech. de Compiègne
Victorino, Alessandro	Univ. de Tech. de Compiègne, Departement de Genie Inf
CHARARA, Ali	HEUDIASYC UMR UTC/CNRS 6599
15:00-16:30	TuPoster2T1.19
<i>Graph-Based 2D Road Representation of 3D Point Clouds for Intelligent Vehicles</i> , pp. 715-721.	
Guo, Chunzhao	Toyota Tech. Inst.
MITA, Seiichi	Toyota Tech. Inst.
McAllester, David	Toyota Tech. Inst. at Chicago
Sato, Wataru	Toyota Tech. Inst.
HAN, Long	Toyota Tech. Inst.
15:00-16:30	TuPoster2T1.21
<i>Intelligent Headlight Control Using Learning-Based Approaches</i> , pp. 722-727.	
Li, Ying	IBM T. J. Watson Res. Center
Haas, Norman	IBM Res.
Pankanti, Sharath	IBM

15:00-16:30	TuPoster2T1.22
<i>Lateral Suspension Control of Railway Vehicle Using Semi-Active Magnetorheological Damper</i> , pp. 728-733.	
Hudha, Khisbullah	Univ. Teknikal Malaysia
Harun, M. Hafiz	IKM Jasin Malaysia
harun, M. Hanif	Univ. Teknikal Malaysia
Jamaluddin, Hishamuddin	Univ. Teknologi Malaysia
15:00-16:30	TuPoster2T1.23
<i>Pedestrian Detection and Tracking Using In-Vehicle Lidar for Automotive Application</i> , pp. 734-739.	
Ogawa, Takashi	DENSO Corp.
Sakai, Hiroshi	DENSO Corp.
Suzuki, Yasuhiro	DENSO Corp.
Takagi, Kiyokazu	DENSO Corp.
Morikawa, Katsuhiko	DENSO Corp.
15:00-16:30	TuPoster2T1.24
<i>Global Optimization of Extended Hand-Eye Calibration</i> , pp. 740-745.	
Ruland, Thomas	Daimler AG
Pajdla, Tomas	Czech Tech. Univ. Prague
Krüger, Lars	Daimler AG
15:00-16:30	TuPoster2T1.25
<i>Fusion of Telemetric and Visual Data from Road Scenes with a Lexus Experimental Platform</i> , pp. 746-751.	
Paromtchik, Igor	INRIA
Perrollaz, Mathias	INRIA
Laugier, Christian	INRIA
15:00-16:30	TuPoster2T1.26
<i>Mixed-Order and Higher-Order Ambiguity Functions</i> , pp. 752-757.	
Häcker, Patrick	Univ. Stuttgart
15:00-16:30	TuPoster2T1.27
<i>Smart Electric Vehicle Charging System</i> , pp. 758-763.	
Ferreira, João	ISEL
Monteiro, Vitor	Univ. of Minho
Afonso, João	Univ. of Minho
Silva, Alberto	INESC-ID
TuOral4T1 Room T1	
Fusion (Regular Session)	
16:30-16:50	TuOral4T1.1
<i>Global Positioning in Urban Areas with 3-D Maps</i> , pp. 764-769.	
Drevelle, Vincent	Univ. of Tech. of Compiègne
BONNIFAIT, Philippe	Univ. of Tech. of Compiègne
16:50-17:10	TuOral4T1.2
<i>Object Existence Probability Fusion Using Dempster-Shafer Theory in a High-Level Sensor Data Fusion Architecture</i> , pp. 770-775.	
Aeberhard, Michael	BMW Group Res. and Tech.
Paul, Sascha	BMW Group
Kaempchen, Nico	BMW Group Res. and Tech.
Bertram, Torsten	Tech. Univ. Dortmund
17:10-17:30	TuOral4T1.3
<i>Using Dempster-Shafer-Based Modeling of Object Existence Evidence in Sensor Fusion Systems for Advanced Driver Assistance Systems</i> , pp. 776-781.	
Munz, Michael	Daimler AG
Dietmayer, Klaus	Univ. of Ulm

Technical Program for Wednesday June 8, 2011

WeOral1T1	Room T1
Localization for Intelligent Vehicles (Regular Session)	
08:30-08:50	WeOral1T1.1
<i>Vehicle Attitude Estimation in Adverse Weather Conditions Using a Camera, a GPS and a 3D Road Map</i> , pp. 782-787.	
BELAROUSSI, Rachid	Univ. Paris Est, IFSTTAR
TAREL, Jean-Philippe	Univ. Paris-Est, IFSTTAR
HAUTIERE, Nicolas	Univ. Paris-Est, IFSTTAR
08:50-09:10	WeOral1T1.2
<i>Accurate Visual Odometry from a Rear Parking Camera</i> , pp. 788-793.	
Lovegrove, Steven John	Imperial Coll. London
Davison, Andrew J	Imperial Coll. London
Ibanez Guzman, Javier	Renault S.A.S,
09:10-09:30	WeOral1T1.3
<i>Visual Topometric Localization</i> , pp. 794-799.	
Badino, Hernan	Carnegie Mellon Univ.
Huber, Daniel	Carnegie Mellon Univ.
Kanade, Takeo	Carnegie Mellon Univ.
WePoster1T1	
Poster 1 on Wednesday (Poster Session)	
09:30-11:00	WePoster1T1.1
<i>Monocular Road Segmentation Using Slow Feature Analysis</i> , pp. 800-806.	
Kühnl, Tobias	Bielefeld Univ.
Kummert, Franz	Bielefeld Univ.
Fritsch, Jannik	Honda Res. Inst. Europe GmbH
09:30-11:00	WePoster1T1.2
<i>Evaluation of Integrated Signal Strategies for Beijing Expressway Ramp Control</i> , pp. 807-813.	
Xu, Runmin	Tsinghua Univ.
Su, Yuelong	Tsinghua Univ.
Shengchao, Yin	Tsinghua
Yao, Danya	Tsinghua Univ.
Zhang, Haizheng	Tsinghua Univ.
Peng, Lihui	Tsinghua Univ.
09:30-11:00	WePoster1T1.3
<i>Modeling and Adaptation of Stochastic Driver-Behavior Model with Application to Car Following</i> , pp. 814-819.	
Angkititrakul, Pongtep	Nagoya Univ.
Miyajima, Chiyomi	Nagoya Univ.
Takeda, Kazuya	Nagoya Univ.
09:30-11:00	WePoster1T1.4
<i>Parallelization of Particle Filter Based Localization and Map Matching Algorithms on Multicore/Manycore Architectures</i> , pp. 820-826.	
Par, Kerem	Bogazici Univ.
Tosun, Oğuz	Bogazici Univ.
09:30-11:00	WePoster1T1.5
<i>Online Supervision of Intelligent Vehicle Using Functional and Behavioral Models</i> , pp. 827-832.	
CHATTI, NIZAR	Univ. Lille1, Pol. LAGIS
Gehin, Anne-Lise	Lille1, Pol. LAGIS
Ould-Bouamama, belkacem	Lille1, Pol. LAGIS
Merzouki, Rochdi	Univ. Lille1, Pol. LAGIS
09:30-11:00	WePoster1T1.6

Towards Rain Detection through Use of In-Vehicle Multipurpose Cameras, pp. 833-838.

Cord, Aurelien	Univ. LIVIC, IFSTTAR
Aubert, Didier	Ifsttar
09:30-11:00	WePoster1T1.8
<i>Piecewise Affine State Feedback Controller for Lane Departure Avoidance</i> , pp. 839-844.	
Benine-Neto, André	IFSTTAR
Mammar, Said	Univ. EVRY
09:30-11:00	WePoster1T1.9
<i>Modified C-DRIVE: Clustering Based on Direction in Vehicular Environment</i> , pp. 845-850.	
MASLEKAR, Nitin	irseem-esigelec
Mouzna, Joseph	IRSEEM/ESIGELEC
HOUDA, Labiod	ENST- ParisTech Telecom
DEVISETTY, Manoj	Manipal Inst. of Tech.
PAL, Manohara	Manipal Inst. of Tech.
09:30-11:00	WePoster1T1.11
<i>Generic Grid Mapping for Road Course Estimation</i> , pp. 851-856.	
Konrad, Marcus	Univ. of Ulm
Szczot, Magdalena	Univ. of Ulm
Dietmayer, Klaus	Univ. of Ulm
Schüle, Florian	Daimler AG
09:30-11:00	WePoster1T1.12
<i>Infrared Camera Calibration for Dense Depth Map Construction</i> , pp. 857-862.	
Gschwandtner, Michael	Univ. of Salzburg
Kwitt, Roland	Univ. of Salzburg
Uhl, Andreas	Univ. of Salzburg
Pree, Wolfgang	Univ. of Salzburg
09:30-11:00	WePoster1T1.13
<i>Intersection Safety Using Lidar and Stereo Vision Sensors on a Demonstrator Vehicle</i> , pp. 863-869.	
Aycard, Olivier	Univ. Grenoble1
09:30-11:00	WePoster1T1.14
<i>Lane Identification and Ego-Vehicle Accurate Global Positioning in Intersections</i> , pp. 870-875.	
Popescu, Voichita	Tech. Univ. of Cluj-Napoca
Bace, Mihai	Tech. Univ. of Cluj-Napoca
Nedevschi, Sergiu	Tech. Univ. of Cluj-Napoca
09:30-11:00	WePoster1T1.15
<i>Video-Based Roll Angle Estimation for Two-Wheeled Vehicles</i> , pp. 876-881.	
Schlipfing, Marc	Ruhr-Univ. Bochum
Schepanek, Jakob	Inst. für Neuroinformatik, Ruhr-Univ. Bochum
Salmen, Jan	Ruhr-Univ. Bochum
09:30-11:00	WePoster1T1.16
<i>Evaluation of Different Quality Functions for Road Course Estimation Using Imaging Radar</i> , pp. 882-887.	
Sarholz, Frederik	Daimler AG
Klappstein, Jens	Daimler AG
Diewald, Fabian	Daimler AG
Dickmann, Jürgen	Daimler AG
Radig, Bernd	Tech. Univ. München
09:30-11:00	WePoster1T1.17
<i>Linear vs. Non Linear Minimization in Stereo Visual Odometry</i> , pp. 888-894.	
Golban, Catalin	Tech. University of Cluj-Napoca
Nedevschi, Sergiu	Tech. Univ. of Cluj-Napoca

09:30-11:00	WePoster1T1.18
<i>Lane Change Intent Prediction for Driver Assistance: Design and On-Road Evaluation</i> , pp. 895-901.	
Morris, Brendan	Univ. of California, San Diego
Doshi, Anup	Univ. of California, San Diego
Trivedi, Mohan M.	Univ. of California at San Diego
09:30-11:00	WePoster1T1.19
<i>A Spectral Clustering and Kalman Filtering Based Objects Detection and Tracking Using Stereo Vision with Linear Cameras</i> , pp. 902-907.	
MOQQADDEM, SAFAA	Univ. of Tech. of Belfort-Montbélaird, France and Ibn
Ruichek, Yassine	Univ. of Tech. of Belfort-Montbéliard
Raja, Touahni	Ibn Tofail Univ. of Kénitra, Morocco
Abderrahmane, Sbihi	Ibn Tofail Univ. of Kénitra, Morocco
09:30-11:00	WePoster1T1.20
<i>Traffic Sign Detection and Recognition for Intelligent Vehicle</i> , pp. 908-913.	
Chen, Long	Wuhan Univ.
Li, Qingquan	Wuhan Univ.
li, ming	Wuhan Univ.
Mao, Qingzhou	Wuhan Univ.
09:30-11:00	WePoster1T1.21
<i>Probabilistic Threat Assessment and Driver Modeling in Collision Avoidance Systems</i> , pp. 914-919.	
Sandblom, Fredrik	Volvo 3P
Brännström, Mattias	Volvo Car Corp.
09:30-11:00	WePoster1T1.22
<i>A Route Search Method for Electric Vehicles in Consideration of Range and Locations of Charging Stations</i> , pp. 920-925.	
Kobayashi, Yuichi	Hitachi, Ltd.
Kiyama, Noboru	Hitachi, Ltd.
Aoshima, Hirokazu	Hitachi, Ltd.
Kashiyama, Masamori	Hitachi, Ltd.
09:30-11:00	WePoster1T1.24
<i>Sparse Scene Flow Segmentation for Moving Object Detection in Urban Environments</i> , pp. 926-932.	
Lenz, Philip	Karlsruhe Inst. of Tech.
Ziegler, Julius	Karlsruhe Inst. of Tech.
Geiger, Andreas	KIT
Roser, Martin	Karlsruhe Inst. of Tech. (KIT)
09:30-11:00	WePoster1T1.25
<i>Mental State and Behavior Inference Using Mirror Neuron System Architecture for Traffic/Driver Monitoring</i> , pp. 933-938.	
Varadarajan, Karthik Mahesh	ACIN, TU Vienna
Zhou, Kai	Automation and Control Inst. Vienna Univ. of Tech.
Vincze, Markus	ACIN, TU Vienna
09:30-11:00	WePoster1T1.26
<i>Supporting Drivers in Car Following: A Step towards Cooperative Driving</i> , pp. 939-944.	
Saffarian, Mehdi	Delft Univ. of Tech.
Happee, R	Delft Univ. of Tech.
09:30-11:00	WePoster1T1.27
<i>Curb Detection for Driving Assistance Systems: A Cubic Spline-Based Approach</i> , pp. 945-950.	
Oniga, Florin Ioan	Tech. Univ. of Cluj Napoca

Nedeveschi, Sergiu

Tech. Univ. of Cluj-Napoca

WeOral2T1	Room T1
Stereo-Vision (Regular Session)	
11:00-11:20	WeOral2T1.1
<i>Moving Vehicle Detection by Optimal Segmentation of the Dynamic Stixel World</i> , pp. 951-956.	
Erbs, Friedrich	Daimler
Barth, Alexander	Mercedes-Benz Res. & Development North America, Inc
Franke, Uwe	Daimler AG
11:20-11:40	WeOral2T1.2
<i>U-V-Disparity Based Obstacle Detection with 3D Camera and Steerable Filter</i> , pp. 957-962.	
Gao, Yuan	Univ. of Bristol
Ai, Xiao	Univ. of Bristol
Wang, Yifei	Univ. of Bristol
Rarity, John	Department of Electrical & Electronic Engineering, Univ. of Bristol
Dahnoun, Naim	Univ. of Bristol
11:40-12:00	WeOral2T1.3
<i>StereoScan: Dense 3d Reconstruction in Real-Time</i> , pp. 963-968.	
Geiger, Andreas	KIT
Ziegler, Julius	Karlsruhe Inst. of Tech.
Stiller, Christoph	Karlsruhe Inst. of Tech.
WeOral3T1	Room T1
Environment Perception and Mapping (Regular Session)	
14:00-14:20	WeOral3T1.1
<i>Fusion of Laserscanner and Video Based Lanemarking Detection for Robust Lateral Vehicle Control and Lane Change Maneuvers</i> , pp. 969-974.	
Homm, Florian	BMW Group Res. and Tech.
Kaempchen, Nico	BMW Group Res. and Tech.
Burschka, Darius	Tech. Univ. Munich
14:20-14:40	WeOral3T1.2
<i>Matching Highly Accurate Maps to Local Environmental Perception at Road Construction Sites</i> , pp. 975-980.	
Wimmer, Andreas	Univ. of Ulm
Graf, Regine	Univ. of Ulm
Dietmayer, Klaus	Univ. of Ulm
14:40-15:00	WeOral3T1.3
<i>An Accurate Indoor Ranging System Based on FMCW Radar</i> , pp. 981-984.	
Marcaccioli, Luca	RF Microtech s.r.l.
Sbarra, Elisa	RF Microtech s.r.l.
Urbani, Laura	RF Microtech srl
Vincenti Gatti, Roberto	RF Microtech s.r.l.
Sorrentino, Roberto	RF Microtech s.r.l.
WePoster2T1	Room T1
Poster 2 on Wednesday (Poster Session)	
15:00-16:30	WePoster2T1.1
<i>Conflict Management in Multi-Sensor Dempster-Shafer Fusion for Speed Limit Determination</i> , pp. 985-990.	
DANIEL, Jeremie	Univ. of Haute Alsace
Lauffenburger, Jean-Philippe	Univ. of Haute-Alsace
15:00-16:30	WePoster2T1.2

Traffic Intersection Situation Description Ontology for Advanced Driver Assistance, pp. 991-997.

Huelsen, Michael Robert Bosch GmbH
Zöllner, J. Marius FZI Forschungszentrum Informatik

Weiss, Christian Robert Bosch GmbH

15:00-16:30 WePoster2T1.3

An Efficient Real-Time Speed Limit Signs Recognition Based on Rotation Invariant Feature, pp. 998-1003.

Liu, Wei Northeastern Univ.
Lv, Jin Northeastern Univ.
Gao, Haihua Northeastern Univ.
duan, bobo Neusoft Corp.
Yuan, Huai Northeastern Univ.
Zhao, Hong Northeastern Univ. Shenyang , China

15:00-16:30 WePoster2T1.4

When Efficiency Matters: Towards Quality of Context-Aware Peers for Adaptive Communication in VANETs, pp. 1004-1010.

Yasar, Ansar-Ul-Haque Katholieke Univ. Leuven Belgium
Paridel, Koosha Katholieke Univ. Leuven
Preuveneers, Davy K.U. Leuven
Berbers, Yolande Department of Computer Science, Katholieke Univ. Leuven B

15:00-16:30 WePoster2T1.5

Lane Recognition Based on Location of Raised Pavement Markers, pp. 1011-1016.

Yu, Hongfei Northeastern Univ. China
Liu, Wei Northeastern Univ.
Pu, Jianghua Northeastern Univ.
duan, bobo Neusoft Corp.
Yuan, Huai Northeastern Univ.
Zhao, Hong Northeastern Univ. Shenyang , China

15:00-16:30 WePoster2T1.6

Warning Traffic Sign Recognition Using a HOG-Based K-D Tree, pp. 1017-1022.

Zaklouta, Fatin MinesParisTech
Stanciulescu, Bogdan Ec. des Mines de Paris (ParisTech)

15:00-16:30 WePoster2T1.7

Vision Based Rail Track and Switch Recognition for Self-Localization of Trains in a Rail Network, pp. 1023-1028.

Wohlfeil, Jürgen German Aerospace Centre

15:00-16:30 WePoster2T1.8

Multi-Agent Based Vehicular Congestion Management, pp. 1029-1034.

Desai, Prajakta La Trobe Univ.
Loke, Seng Wai La Trobe Univ.
Desai, Aniruddha La Trobe Univ.
Singh, Jugdutt (Jack) La Trobe Univ.

15:00-16:30 WePoster2T1.9

Evaluating Multiple GNSS Data in a Multi-Hypothesis Based Map-Matching Algorithm for Train Positioning, pp. 1035-1040.

Lüddecke, Katrin German Aerospace Center
Rahmig, Christian German Aerospace Center

15:00-16:30 WePoster2T1.10

Lane Confidence Fusion for Visual Occupancy Estimation, pp. 1041-1046.

Gumpp, Thomas FZI Forschungszentrum Informatik

Nienhüser, Dennis FZI Forschungszentrum Informatik

Zöllner, J. Marius FZI Forschungszentrum Informatik

15:00-16:30 WePoster2T1.11

Overhead Analysis on Secure Beaconing for GeoNetworking, pp. 1047-1051.

Lee, Jong-Hyouk INRIA
Ernst, Thierry INRIA

15:00-16:30 WePoster2T1.12

Traffic Sign Detection in Dual-Focal Active Camera System, pp. 1052-1057.

Gu, Yanlei Nagoya Univ.
Yendo, Tomohiro Nagoya Univ.
Panahpour Tehrani, Mehrdad Nagoya Univ.
Fujii, Toshiaki Tokyo Inst. of Tech.
Tanimoto, Masayuki Nagoya Univ.

15:00-16:30 WePoster2T1.13

Parallel Matching-Based Estimation - a Case Study on Three Hardware Architectures, pp. 1058-1065.

Ranft, Benjamin FZI Res. Center for Information Tech.
Schoenwald, Timo FZI Res. Center for Information Tech.
Kitt, Bernd KIT

15:00-16:30 WePoster2T1.14

Behavior Prediction at Multiple Time-Scales in Inner-City Scenarios, pp. 1066-1071.

Garcia Ortiz, Michael Bielefeld Univ.
Fritsch, Jannik Honda Res. Inst. Europe GmbH
Kummert, Franz Bielefeld Univ.
Gepperth, Alexander Honda Res. Inst. Europe GmbH

15:00-16:30 WePoster2T1.15

Evidential Combination of SVM Road Obstacle Classifiers in Visible and Far Infrared Images, pp. 1072-1077.

Besbes, Bassem National Inst. for Applied Sciences- Rouen
Ammar, Sonda LITIS Lab.
kessentini, yousri Univ. of Rouen
Rogozan, Alexandrina National Inst. of Applied Sciences- Rouen
Bensrhair, Abdelaziz National Inst. of Applied Sciences- Rouen,

15:00-16:30 WePoster2T1.16

Target Tracking and Fusion in Vehicular Networks, pp. 1078-1083.

Thomaidis, Georgios Inst. of Comm. and Comp. Syst.
Kaffes, Vassilis Inst. of Communication & Computer Systems
Lytrivis, Panagiotis Inst. of Comm. & Comp. Syst.
Tsogas, Manolis Inst. of Communication and Computer Systems
Karaseitanidis, Ioannis Inst. of Communication & Computer Systems
Amditis, Angelos Inst. of Communications and Computer Systems

15:00-16:30 WePoster2T1.17

An On-Demand Personal Automated Transport System: The Citymobil Demonstration in La Rochelle, pp. 1084-1089.

Bouraoui, Laurent INRIA de Rocquencourt
Boussard, Clement INRIA
Charlot, Francois INRIA
Holguin, Carlos INRIA

Nashashibi, Fawzi	Mines ParisTech / INRIA
Parent, Michel	INRIA
Resende, Paulo	INRIA Paris - Rocquencourt
15:00-16:30	WePoster2T1.18
<i>An Unified Framework for Active SLAM and Online Optimal Motion Planning</i> , pp. 1090-1095.	
Martinez-Marin, Tomas	Univ. de Alicante
Lopez, Eduardo	Univ. of Alicante
de Bernardis, Caleb	Univ. of Alicante
15:00-16:30	WePoster2T1.19
<i>Development of Adaptive Direct Yaw-Moment Control Method for Electric Vehicle Based on Identification of Yaw-Rate Model</i> , pp. 1096-1101.	
Kim, Donghyung	Hanyang Univ.
Kim, Changjun	Hanyang Univ.
Kim, Sangho	Hanyang Univ.
Choi, Jooyoung	Hanyang Univ.
Han, Chang-Soo	Hanyang Univ.
15:00-16:30	WePoster2T1.20
<i>Invariant Set Based Vehicle Handling Improvement at Tire Saturation Using Fuzzy Output Feedback</i> , pp. 1102-1107.	
Ait Oufroukh, Naima	Evry
Benine-Neto, André	IFSTTAR
Yacine, Zedjiga	Univ. MOULOUD MAMMERI
Mammar, Said	Univ. EVRY
Glaser, Sébastien	LCPC
15:00-16:30	WePoster2T1.21
<i>Entropy-Based Anomaly Detection for In-Vehicle Networks</i> , pp. 1108-1113.	
Müter, Michael	Daimler AG
Asaj, Naim	Daimler AG
15:00-16:30	WePoster2T1.22
<i>A Novel Two-Stage Algorithm for Non-Parametric Cast Shadow Recognition</i> , pp. 1114-1119.	
Roser, Martin	Karlsruhe Inst. of Tech. (KIT)
Lenz, Philip	Karlsruhe Inst. of Tech.
15:00-16:30	WePoster2T1.23
<i>Moving Objects Detection by Conflict Analysis in Evidential Grids</i> , pp. 1120-1125.	
Moras, Julien	Heudiasyc UMR 6599 Univ. de Tech. de Compiègne
Cherfaoui, Véronique	Univ. Tech. Compiègne
BONNIFAIT, Philippe	Univ. of Tech. of Compiègne
15:00-16:30	WePoster2T1.24
<i>Embedded Multi-Sensors Objects Detection and Tracking for Urban Autonomous Driving</i> , pp. 1126-1133.	
Tehrani Nik Nejad, Hossein	Toyota Tech. Inst.
Takahashi, Koji	Toyota Tech. Inst.
MITA, Seiichi	Toyota Tech. Inst.
McAllester, David	Toyota Tech. Inst. at Chicago
15:00-16:30	WePoster2T1.25
<i>Consistency-Based Motion Classification for Laser Sensors Dealing with Cross Traffic in Urban Environments</i> , pp. 1134-1139.	
Matthaei, Richard	Tech. Univ. Braunschweig
Dyckmanns, Helgo	Hella KGaA
Maurer, Markus	TU Braunschweig
Lichte, Bernd	Tech. Univ. Braunschweig
15:00-16:30	WePoster2T1.26
<i>Hierarchical Scene Understanding for Intelligent Vehicles</i> , pp. 1140-1145.	

Spehr, Jens	Tech. Univ. Braunschweig
Rosebrock, Dennis	Inst. für Robotik und Prozessinformatik, Tech. Univ.
Wahl, Friedrich M.	Tech. Univ. Braunschweig
Mossau, Daniel	Group Res. Volkswagen AG
Auer, Richard	Group Res. Volkswagen AG
Brosig, Stefan	Group Res. Volkswagen AG
15:00-16:30	WePoster2T1.27
<i>Coordinated Control of Differential Drive Assisted Steering System with Vehicle Stability Enhancement System</i> , pp. 1146-1153.	
Wang, Junnian	Jilin Univ.
Wang, Qingnian	Jilin Univ.
Song, Chuanxue	Jilin Univ.
Chu, Liang	Jilin Univ.
Wang, Yingying	Jilin Inst. of Architecture and Civil Engineering

WeOral4T1	Room T1
Advanced Systems (Regular Session)	
16:30-16:50	WeOral4T1.1
<i>A Comparison of Motion Planning Algorithms for Cooperative Collision Avoidance of Multiple Cognitive Automobiles</i> , pp. 1154-1160.	
Frese, Christian	Karlsruhe Inst. of Tech.
Beyerer, Jürgen	Fraunhofer Inst. of Optronics, Systems Tech. and Imag
16:50-17:10	WeOral4T1.2
<i>A Reliable Membership Service for Vehicular Safety Applications</i> , pp. 1161-1167.	
Slot, Marco	Trinity Coll. Dublin
Cahill, Vinny	Trinity Coll. Dublin
17:10-17:30	WeOral4T1.3
<i>Human Machine Interface Concept for Interactive Motion Control of a Highly Maneuverable Robotic Vehicle</i> , pp. 1168-1173.	
Bünthe, Tilman	German Aerospace Center (DLR)
Brembeck, Jonathan	German Aerospace Center (DLR)
Ho, Lok Man	German Aerospace Center (DLR)

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