

## AVEC10 Session Timing and Chairing Map

	SEVERN	AVON	DERWENT	SWIFT	SOAR
<b>Mon am</b>	<b>Vehicle Dynamics</b>	<b>Engine Control</b>	<b>Modelling &amp; Simulation I</b>	<b>Active and Passive Safety</b>	<b>Driver State Estimation</b>
Chair	Mathias Lidberg (Chalmers Univ)	Gianfranco Rizzo (Univ of Salerno)	Eric Tseng (Ford)	Huei Peng (Univ of Michigan)	Georgios Mavros (Loughborough Univ)
co-Chair	Kyongsu Yi (Seoul National Univ)	Tim Gordon (Univ of Michigan)	Mike Blundell (Coventry Univ)	Lutz Eckstein (Aachen Univ)	Yoshitaka Marumo (Nihon Univ)
<b>Mon pm1</b>	<b>Vehicle Control</b>	<b>Energy Efficient Vehicles</b>	<b>Sensor and Actuator</b>	<b>Driver Assistance Systems I</b>	<b>Driver Model : Longitudinal</b>
Chair	Stratis Kanarachos (Frederick Univ)	Shinichiro Horiuchi (Nihon Univ)	David Crolla (Sunderland Univ)	Paul Venhovens (Clemson Univ)	Hitoshi Tsunashima (Nihon Univ)
co-Chair	Takanori Fukao (Kobe Univ)	Peter Jones (Warwick Univ)	Henning Wallentowitz (RWTH Institute)	Ichiro Kageyama (Nihon Univ)	Joop Pauwelussen (HAN Univ)
<b>Mon pm2</b>	<b>Active Steer</b>	<b>Electric Vehicles</b>	<b>Modelling &amp; Simulation II</b>	<b>Driver Assistance Systems II</b>	<b>Driver Model : Lateral &amp; Racing</b>
Chair	Giovanni Palmieri (Sannio Univ)	Damian Harty (Prodrive)	Peter Jones (Warwick Univ)	Lutz Eckstein (Aachen Univ)	David Cole (Cambridge Univ)
co-Chair	Mats Jonasson (Volvo)	Shinichiro Horiuchi (Nihon Univ)	Eric Tseng (Ford)	Masao Nagai (Tokyo Univ of Agric & Tech)	David Crolla (Sunderland Univ)
<b>Tue am</b>	<b>Direct Yaw Control</b>	<b>Traction and Braking Control</b>	<b>State Estimation I</b>	<b>Collision Avoidance</b>	<b>Driver Behaviour</b>
Chair	Takanori Fukao (Kobe Univ)	Mats Jonasson (Volvo)	Kyongsu Yi (Seoul National Univ)	Henning Wallentowitz (RWTH Institute)	Hisashi Tamaki (Kobe Univ)
co-Chair	Robin Sharp (Univ of Surrey)	Paul Dickinson (Liverpool Univ)	Shen Wang (Univ of Duisburg-Essen)	Damian Harty (Prodrive)	David Purdy (Cranfield Univ)
<b>Tue pm1</b>	<b>Limit-Handling</b>	<b>Yaw Control of Electric Vehicles</b>	<b>State Estimation II</b>	<b>Adaptive Cruise Control</b>	<b>Driver-Vehicle System</b>
Chair	Joop Pauwelussen (HAN Univ)	Chewun Hong (Natnl Tsing Hua Univ)	Mike Blundell (Coventry Univ)	Francis Assadian (Cranfield Univ)	Masato Abe (Kanagawa Inst Tech)
co-Chair	Taehyun Shim (Univ of Michigan)	Michael Valasek (Tech Univ of Prague)	Bernhard Schick (IPG Automotive)	Paul Venhovens (Clemson Univ)	Hitoshi Tsunashima (Nihon Univ)
<b>Tue pm2</b>	<b>Integrated Motion Control</b>	<b>Hybrid Vehicles</b>	<b>Identification &amp; Condition Monitoring</b>	<b>Vehicle Rollover</b>	<b>Steering and Brake Feel</b>
Chair	Atanas Popov (Nottingham Univ)	Giampero Mastinu (Milan Univ)	Bernhard Schick (IPG Automotive)	Efstathios Velenis (Brunel Univ)	Yoshitaka Marumo (Nihon Univ)
co-Chair	Mathias Lidberg (Chalmers Univ)	Tim Gordon (Univ of Michigan)	Matt Best (Loughborough Univ)	Huei Peng (Univ of Michigan)	Masato Abe (Kanagawa Inst Tech)
<b>Thu am</b>	<b>Suspension and Steering Control</b>	<b>Powertrain Control I</b>	<b>Commercial Vehicle Steering</b>	<b>Autonomous Driving</b>	<b>Motorcycle Dynamics and Control</b>
Chair	Michael Valasek (Tech Univ of Prague)	Paul Dickinson (Liverpool Univ)	David Purdy (Cranfield Univ)	Masao Nagai (Tokyo Univ of Agric & Tech)	Robin Sharp (Univ of Surrey)
co-Chair	Stratis Kanarachos (Frederick Univ)	Gianfranco Rizzo (Univ of Salerno)	Chewun Hong (Natnl Tsing Hua Univ)	Matt Best (Loughborough Univ)	David Cole (Cambridge Univ)
<b>Thu pm</b>	<b>Suspension Control</b>	<b>Powertrain Control II</b>	<b>Advanced Concept Vehicle</b>	<b>Intelligent Transportation Systems</b>	<b>Motorcycle Active Safety</b>
Chair	Shen Wang (Univ of Duisburg-Essen)	Ilya Kolmanovsky (Univ of Michigan)	David Cebon (Cambridge Univ)	Taehyun Shim (Univ of Michigan)	Ichiro Kageyama (Nihon Univ)
co-Chair	Atanas Popov (Nottingham Univ)	Hisashi Tamaki (Kobe Univ)	Giampero Mastinu (Milan Univ)	Efstathios Velenis (Brunel Univ)	Georgios Mavros (Loughborough Univ)

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<b>MONDAY</b>	<b>Vehicle Dynamics</b>	<b>Engine Control</b>	<b>Modelling &amp; Simulation I</b>	<b>Active and Passive Safety</b>	<b>Driver State Estimation</b>
<b>11:00</b>	Vehicle Handling Dynamics – an Evaluation of Objective Metrics <i>Yan, Hsin, Crolla</i>	A Systematic Approach Towards Automated Control Design for Heavy-Duty EGR Diesel Engines <i>Criens, Willems, Steinbuch</i>	Generation of Extended Vehicle-dynamics Models for Real-time Simulations <i>Amelunxen, Trachtler, Haupt et al</i>	Hydroplaning detection and vehicle speed regulation with passive and active systems to avoid lost of control <i>Cerezo, Bouteldja, Menissier</i>	Identification of a driver's preview steering control behaviour using data from a driving simulator and a randomly curved road path <i>Odhams, Cole</i>
<b>11:25</b>	Unsprung Mass with in-wheel Motors - Myths and Realities <i>Harty, Anderson</i>	Prospects for Laser Ignition in Gasoline Engine Control <i>Dickinson, Shenton, Mullett et al</i>	First ECE 13/11 Homologation of Electronic Stability Control (ESC) by Vehicle Dynamics Simulation – Challenges, Innovations and Benefits <i>Schick, Wurster, Ortlechner et al</i>	Collision Mitigation Using Vehicle Dynamic Controls <i>Hogan, Manning</i>	Driving State Deviation Detection Based on Naturalistic Driving Behavior Database for Driver Assistance Systems <i>Shino, Fujino, Hiramatsu et al</i>
<b>11:50</b>	Influence of in-wheel motors on the ride comfort of electric vehicles <i>Vos, Besselink, Nijmeijer</i>	Review on the Engine Control Strategies for Homogeneous Charge Compression Ignition Combustion <i>James, Chen</i>	Dynamic Modeling and Traction Control of Lunar Rover <i>Guan, Li, Zhang</i>	Predictive Pedestrian Protection - Situation Analysis with a Pedestrian Motion Model <i>Tiemann, Branz, Schramm</i>	A basis for driver state estimation <i>Pauwelussen</i>
<b>12:15</b>	Estimation of Multiple Torsional Vibrations for Electric Power Assisted Steering System <i>Shah, Lakehal-Ayat</i>	Structure Selection for Identified Multi-Model Dynamic Fuelling Maps <i>Li, Shenton</i>	A method for the indoor testing of a road vehicle suspension system <i>Gobbi, Mastinu, Prevati</i>	Assessment of and Guidelines for Aftermarket Chassis Modifications with Regard to Roll and Yaw Stability <i>Venhovens, Hazare, Browalski</i>	Optimisation-based Identification of Situation Determined Cost Functions for the Implementation of a Human-like Driving Style in an Autonomous Car <i>Kraus, Albrecht, Heissing et al</i>

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<b>MONDAY</b>	<b>Vehicle Control</b>	<b>Energy Efficient Vehicles</b>	<b>Sensor and Actuator</b>	<b>Driver Assistance Systems I</b>	<b>Driver Model : Longitudinal</b>
<b>1:50</b>	Exploring Assumptions and Requirements for Continuous Modification of Vehicle Handling using Nonlinear Optimal Control and a New Exponential Tyre Model <i>Best</i>	Optimisation of a 2-Speed Gearbox for an Electric Vehicle <i>Sorniotti, Boscolo, Turner et al</i>	Diagnostics of the Drivetrain in a Passenger Car <i>Mamala, Jantos, Brol et al</i>	Precise Localization using Tightly Coupled Integration based on Trajectory estimated from GPS Doppler <i>Kojima, Suzuki, Hattori et al</i>	A Driver Model for Simulation Based Design <i>Mason, Ebrahimi</i>
<b>2:15</b>	A Fuzzy Logic Strategy for Control of Intelligent 4WD Systems <i>Goodarzi, Arabi</i>	An Investigation into Optimal Energy Management Strategy for Compound Hybrid Excavator <i>Kim, Choi, Yoo et al</i>	A smart wheel for improving the active safety of road vehicles <i>Gobbi, Guarneri, Rocca et al</i>	A SVFC Approach to Design a Robust Lane Keeping Assistance System <i>Alirezaie, Ghaffari, Kazemi</i>	Closed-loop-evaluation of longitudinal driver models based on a human driving database <i>Lee, Jeong</i>
<b>2:40</b>	Robust Controller Scheduling in Automotive Communication Networks <i>Longo, Herrmann, Barber</i>	Architecture of Regenerative Braking Systems for Heavy Goods Vehicles <i>Midgley, Cebon</i>	Durability Estimation of Solenoid Valve for ESC system using Hardware-in-the-Loop Simulation <i>Yoo, Baek, Jeong et al</i>	Intelligent Vehicle Safety Control Based on Index Plane <i>Cho, Moon, Lee, et al</i>	Safe Driving Advisory System Based on Integrated Modelling of Naturalistic Driving Behaviour <i>Saigo, Raksincharoensak, Nagai</i>
<b>3:05</b>	A Robust Lateral Vehicle Dynamics Control <i>Palmieri, Baric, Borrelli et al</i>	Energy Regeneration in Hybrid Electric Vehicles by Using Optimal control on Active Suspension and Fuzzy Control on VDC System <i>Azad</i>	Measurement Method of the Tire Lateral Force for the Use of Chassis Control System <i>Jo, Yun, Lee et al</i>	Development of Driving Situation Assessment Algorithms for Crash Prediction in Advanced Driver Assistance Systems <i>Heo, Kim, Park et al</i>	Human driving behaviour analysis and model representation - acquisition of meta-knowledge and expertise acquiring process <i>Togai, Tamaki</i>

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<b>MONDAY</b>	<b>Active Steer</b>	<b>Electric Vehicles</b>	<b>Modelling &amp; Simulation II</b>	<b>Driver Assistance Systems II</b>	<b>Driver Model : Lateral &amp; Racing</b>
<b>3:50</b>	Vehicle Stability Enhancement based on Equivalent Side Slip Angle via SBW <i>Alirezaie, Ghaffari, Kazemi</i>	Vehicle Dynamics Controller Concept for Electric Vehicles <i>Ringdorfer, Horn</i>	A Study on the Reliability of Vehicle Dynamics Simulation using Functional Vehicle Model <i>Heo, Song, Hong</i>	State of the art of the ADAS <i>Chretien, Holzmann, Seubert et al</i>	Towards a Model of a High-performance Driver for Circuit-racing Cars <i>Sharp, Thommyppillai, Evangelou</i>
<b>4:15</b>	Steering vehicle control via robust linear control and non linear control: Experimental evaluation <i>Menhour, Lechner, Charara</i>	A Single Motion Chip for Multi-Motor EV Control <i>Castro, Araujo, Freitas</i>	Model Based Generation of Test Cases for Safe and Reliable Vehicle Software in the Framework of MOGENTES <i>Hofmann, Wiessalla, Pofahl et al</i>	Continuous evaluation of methods for sensor data fusion of video based driver assistance systems by using virtual test driving <i>Ziegenmeyer, Nienhuser, Schamm et al</i>	Development of a Lateral Driver Model for Evaluating Vehicle Crosswind Stability <i>Yang, Peng, Park, et al</i>
<b>4:40</b>	Active Toe-Compensation for by-wire Steering Systems <i>Muller</i>	Model Based Control of a Moving Solar Roof for a Solar Vehicle <i>Coraggio, Pisanti, Rizzo et al</i>	Application of virtual mechatronic vehicle models for vehicle dynamics and ride comfort simulation <i>Reinalter, Wölfel, Kollau</i>	Vehicle Speed Control For A Safety-Economical-Ecological Compromise : Development Of A Driver Assistance System <i>Luu, Nouveliere, Hoarau et al</i>	Driver Model with Visual and Neuromuscular Feedback for Objective Assessment of Automotive Steering Systems <i>Katzourakis, Droogendijk, Abbink et al</i>
<b>5:05</b>	Robust Command Generation for Optimal Obstacle Avoidance Steering Maneuvers of Vehicles using Numerical Optimization <i>Kanarachos</i>	Novel Fuel Cell Electric Vehicle Air Conditioner Design Using Thermoelectric Chips Powered by Photoelectrochemical Cells <i>Hong, Chen</i>	Substantial Progress of Virtual Driver Skills in Interaction with Advanced Control Systems to meet the new Challenges of Vehicle Dynamics Simulation <i>Wurster, Schick</i>	Integrated LK/DYC System for Articulated Vehicles <i>Goodarzi, Ghajar</i>	DIARI: An embedded application to determine the maximal achievable speed in a bend <i>Lechner, Naude, Menhour</i>

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<b>TUESDAY</b>	<b>Direct Yaw Control</b>	<b>Traction and Braking Control</b>	<b>State Estimation I</b>	<b>Collision Avoidance</b>	<b>Driver Behaviour</b>
<b>11:00</b>	Synergy between Lateral Dynamic Stability Control and Limited-Active Nonlinear Suspension Control <i>Valasek, Drobny</i>	Design and experimental validation of a cascaded wheel slip control strategy <i>Gerard, Loria, Pasillas-Lepine et al</i>	Combined Estimation of Vehicle States and Road Friction Coefficients Using Dual Extended Kalman Filter <i>Hu, Zong, Na</i>	Autonomous Vehicle Collision Avoidance Based on Path Planning and MPC <i>Shim, Adireddy, Yuan</i>	Manoeuvre Recognition and Prediction for Driver Assistance Systems using Hidden Markov Models and Modifiers <i>Gnatzig, Bammer, Kraus et al</i>
<b>11:25</b>	LMI Design of a Direct Yaw Moment Controller Based on Body Slip Angle Estimation for In-Wheel Type Electric Vehicles <i>Mostefai, Geng, Tabti et al</i>	A Study on Effects of Tire Characteristics on Stop Distance of ABS Braking with Simplified Model <i>Shida, Sakurai, Watanabe et al</i>	Development of a Vehicle Velocity Monitoring System Using the SKFMEC Method <i>Han, Kim, Huh</i>	Optimum Vehicle Trajectory Control for Obstacle Avoidance - Feedback Controllers for Various Objective Functions <i>Hattori, Ohmudo</i>	Subjective Evaluation of Handling Behaviour related to Tyre Dependent Driver Parameters <i>Monsma, van Oort</i>
<b>11:50</b>	Development of a Control Algorithm for an Active Limited Slip Differential <i>Assadian, Hancock, Best</i>	Brake Based Control of the Direction Sensitive Locking Differential (DSLDD) <i>Lidberg, Alfredson</i>	Robust Nonlinear Observer To Estimate Road Friction Coefficient and Tire Slip Angle <i>Ahn, Peng, Tseng</i>	Autonomous Vehicle Motion Control System for Obstacle Avoidance Situations <i>Isogai, Shishikura, Hayashi et al</i>	Measurement of Driver's Brain Function Using Near-infrared Spectroscopy (Evaluation of Reduction in Driver's Mental Workload by Driving Assistance System) <i>Tsunashima, Yanagisawa, Marumo et al</i>
<b>12:15</b>	A New Hybrid Stability-control System with Understeer-prevention Control based on G-Vectoring concept <i>Yamakado, Takahashi, Saito et al</i>	Two-phase Anti-lock Braking System using Force Measurement <i>Gerard, Verhaegen, Holweg</i>	Redefining Automotive Supervision Using New Sensor Technology <i>Ouahi, Stephant, Meizel</i>	Optimal control for collision avoidance support system using traffic environment information <i>Kasuya, Furukawa</i>	Brake Assistance System Based on Driver's Behavior Estimation <i>Yoshino, Horiuchi</i>

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<b>TUESDAY</b>	<b>Limit-Handling</b>	<b>Yaw Control of Electric Vehicles</b>	<b>State Estimation II</b>	<b>Adaptive Cruise Control</b>	<b>Driver-Vehicle System</b>
<b>1:50</b>	Stabilization of Steady-State Drifting for a RWD Vehicle <i>Velenis, Katzourakis, Frazolli et al</i>	Handling Behaviour of a TTR Hybrid Electric Vehicle with Independent Rear Wheel Torque Control <i>Milehins, Cheng, Chu et al</i>	Damping of Driveline Oscillations in Hybrid and Electric Vehicles <i>Angeringer, Horn</i>	Improved energy efficiency by model based predictive ACC in hybrid vehicles based on map data <i>Zlocki, Themann</i>	Driving Simulator Motion Cueing Algorithms – A Survey of the State of the Art <i>Garrett, Best</i>
<b>2:15</b>	Post-Impact Vehicle Path Control by Optimization of Individual Wheel Braking Sequences <i>Yang, Gordon, Lidberg et al</i>	Advanced Yaw Motion Control of a Hybrid Vehicle using Twin Rear Electric Motors <i>Pinto, Watkinson, Aldworth et al</i>	Virtual Sensors for Advanced Vehicle Stability Control <i>Leenen, Schouten</i>	Transition Controller for Adaptive Cruise Control Systems <i>Ali, Popov, Charles</i>	On Model-Based Driver-Vehicle Interaction Analysis <i>Mikelsons, Brandt</i>
<b>2:40</b>	Autonomous Cornering at the Limits: Designing a Longitudinal Feedback Controller Using a Tire Slip Circle <i>Kritayakirana, Gerdes</i>	Vehicle Dynamic Control for a 4 In-Wheel-Motored EV based on Identification of Tire Cornering Stiffness <i>Xiong, Meng, Yu</i>	A Nonlinear Observer Design Methodology for Simultaneous Estimation of Sideslip Angle and Lateral Tire Forces <i>Solmaz, Baslamish</i>	Development and Verification of Vehicular Multi-Objective Coordinated Adaptive Cruise Control Systems <i>Li, Li, Wang</i>	Data-Driven Hurry Driving Detection Algorithm Design and Evaluation by Using Continuous-Logging Drive Recorder <i>Nishie, Ikenishi, Michitsuji et al</i>
<b>3:05</b>	Minimum manoeuvre time of a nonlinear vehicle at constant forward speed using convex optimisation <i>Timings, Cole</i>	Development of a control strategy for improving vehicle safety in a hybrid vehicle with four independently driven in-wheel motors <i>Braghin, Pellegrini, Quercia et al</i>	Lateral Velocity Estimation for Vehicle Testing without Steering Wheel Angle Information <i>Lakehal-Ayat, Diop, Hofmann</i>	A Model Predictive Control Algorithm to improve Fuel Efficiency of Adaptive Cruise Control Systems <i>Kalabis, Mueller</i>	Human-in-the-loop Evaluation of Unified Chassis Control System Using a Driving Simulator on a Virtual Test Track <i>Yoon, Cho, Chung et al</i>

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<b>TUESDAY</b>	<b>Integrated Motion Control</b>	<b>Hybrid Vehicles</b>	<b>Identification &amp; Condition Monitoring</b>	<b>Vehicle Rollover</b>	<b>Steering and Brake Feel</b>
<b>3:50</b>	Integrated Vehicle Dynamics Control using State Dependent Riccati Equations <i>Bonsen, Mansvelders</i>	Concept of “Through the Road Hybrid” vehicle <i>Chretien, Holzmann, Kaiser et al</i>	A System-Level Diagnostic Approach for Networked Control Systems in Vehicles <i>Wang, Amor-Segan, Dhadyalla et al</i>	Design of Rollover Prevention Controller with ESP and Active Anti-Roll Bar <i>Yim, Jeon, Yi</i>	On a Method for Generating a Word Pool for the Description of Steering Feel <i>Rothamel, Drugge, Ijkema</i>
<b>4:15</b>	Experimental Validation of Nonlinear Predictive Algorithms for Steering and Braking Coordination in Limit Handling Maneuvers <i>Falcone, Borrelli, Tseng et al</i>	Assessment of benefits obtainable in a Hybrid Solar Vehicle using look-ahead capabilities for incoming solar energy <i>Coraggio, Pisanti, Rizzo et al</i>	Indirect Tire Pressure Estimation based on Lateral Dynamics <i>Solmaz, Shorten</i>	Experimental and Theoretical Investigation into the Rollover of Tracked Vehicles <i>Purdy, Stonier</i>	Implementation of a Stability Compensator to Improve the Steering Feel for an Electric Power Steering System <i>Hu, Yeh, Hsu et al</i>
<b>4:40</b>	Vehicle Dynamics Control in Hybrid Electric Vehicles <i>Manning, Armstrong, Hogan et al</i>	HEV Energy Storage Evaluation Using an Object-Oriented Modelling Methodology <i>Poeti, Marco, Vaughan</i>	An Estimation Method of the Maximum Tire-road Friction Coefficient Using an Electric Power Assist Steering <i>Takagi, Kurishige, Takeya et al</i>	Experimental Validation of Terrain-Aware Rollover Prediction for Ground Vehicles Using the Zero-Moment Point Method <i>Lapapong, Brown, Brennan</i>	Steering drive simulator technologies: architectural approaches, models, identification, and control <i>Raffone, Canuto, Colombo et al</i>
<b>5:05</b>	Path and control optimisation for over-actuated vehicles in two safety-critical maneuvers <i>Sundstrom, Jonasson, Andreasson et al</i>	Architecture Design and Performance Analysis of a Novel Electrical Variable Transmission for a Hybrid Car <i>Chen, Zhu, Zhang et al</i>	Experimental validation of a quarter truck model using asynchronous measurements with low signal-to-noise ratios <i>Evers, Besselink, Teerhuis et al</i>	Rollover Prevention for Vehicles with Elevated CG Using Active Control <i>Chu, Lu, Li, Hedrick</i>	Characterisation of brake feel for hybrid vehicles <i>Newberry</i>

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<b>THURSDAY</b>	<b>Suspension and Steering Control</b>	<b>Powertrain Control I</b>	<b>Commercial Vehicle Steering</b>	<b>Autonomous Driving</b>	<b>Motorcycle Dynamics and Control</b>
<b>11:00</b>	The Compliance Screw Axis of a Suspension and its Effect on Vehicle Behavior <i>Lee, Kim, Oh</i>	Speed Control of the Electric Motor in Heavy Machinery <i>Jin, Park, Lee</i>	Control of Yaw Dynamics for Commercial Vehicles with the help of Tag Axle Steering <i>Strelli, Nemeth</i>	Near-Miss Collisions Using Coordinated Robot-Controlled Vehicles <i>Pick, Hubbard, Neads</i>	Study on Influence of Rider's Lean Angle on Two-wheeled Vehicle Behavior <i>Kageyama, Kuriyagawa</i>
<b>11:25</b>	Development of the steering control logic for I-SBW system <i>Sung, Hwang, Sung</i>	Optimal Engagement of Dry DCT Vehicle Launch By Feedback Linearization Control <i>Zhang, Wu, Lu</i>	Active Steering Enhanced ESP for Commercial Vehicles <i>Hankovski, Kovacs, Palkovics</i>	A Multiple Turn Achievement of Advanced Parking Guidance System in Parallel Parking via Sensor Fusion <i>Lin, Hsu, Ko</i>	Motorcycle Suspension Design using Matrix Inequalities with Passivity Constraints <i>Limebeer, Sharma</i>
<b>11:50</b>	Two Degree of Freedom Control of Active Front Steering System Using Planetary Gear <i>Minaki, Hori</i>	Design and Experimental Evaluation of Model Predictive Engine Air-ratio Control using Least Squares Support Vector Machines <i>Wong, Wong</i>	Implementation of Active Steering on a Multiple Trailer Long Combination Vehicle <i>Roebuck, Odhams, Cheng et al</i>	Autonomous Driving of a Truck Based on Path Following Control <i>Yoshida, Sugimachi, Fukao et al</i>	Roll-Angle-Tracking Control of a Motorcycle <i>Chen, Dao</i>
<b>12:15</b>	Improvement of On-Center Steering by Suspension - Steering System Geometry and Transfer force Analysis <i>Kim, Lugert, Shin et al</i>	Robust Control Methods Applied to an Automated Clutch Transmission <i>Reed, Kolmanovsky, Hrovat</i>	Integrated Lateral Assistance for Heavy Duty Vehicles <i>Rosinger, Heyes, Hirschberg et al</i>	Development of Path Tracking Control System based on Model Predictive Control using Infra-Structured Sensors <i>Kim, Kim, Yi et al</i>	Enhanced Motorcycle Roll Stability by use of a Reaction Wheel Actuator <i>Mavros</i>

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<b>THURSDAY</b>	<b>Suspension Control</b>	<b>Powertrain Control II</b>	<b>Advanced Concept Vehicle</b>	<b>Intelligent Transportation Systems</b>	<b>Motorcycle Active Safety</b>
<b>1:50</b>	Evolutionary Algorithm Based Fractional Order PIIDm Controller Design for a Full Vehicle Nonlinear Active Suspension System <i>Aldair, Wang</i>	Automatic Simplification of Hybrid Powertrain Models for Use in Optimization <i>Murgovski, Sjöberg, Fredriksson</i>	Lateral Dynamics Optimisation of a Direct Tilt Controlled Narrow Vehicle <i>Berote, Plummer, Darling</i>	A Path Tracking Control System of Autonomous Vehicle in Urban Area Based on LIDAR Information <i>Yoshizawa, Raksincharoensak, Nagai</i>	Improving Motorcycle Handling Using Stabilizer Pendulum System (SPS) <i>Goodarzi, Armion</i>
<b>2:15</b>	Development of a control strategy for a variable camber Suspension integrated with an active anti-roll bar <i>Braghin, Prada, Sabbioni et al</i>	Optimal Regenerative Braking with a push-belt CVT: an Experimental Study <i>Berkel, Hofman, Vroemen et al</i>	Advanced concept of caravan with improved high speed stability insensitive to the internal load distribution <i>Kural, Pauwelussen, Dijkstra et al</i>	A Short-distance Vehicle Platooning System: 2nd Report, Evaluation of Fuel Savings by the Developed Cooperative Control <i>Shida, Doi, Nemoto et al</i>	Improving Lane Keeping Performance of Motorcycles by Using Active Safety Systems <i>Marumo, Nomiya</i>
<b>2:40</b>	Study on Active Control of Electromagnetic Suspension Based on Energy Flow Analysis <i>Huang, Yu, Zhang</i>	Electronic Throttle Control by a Nonparametric QFT Method <i>Abass, Dickinson, Shenton</i>	Intelligent Hybrid Electric Vehicle and Its Implementation <i>Li, Chen, Luo</i>	Adaptive Cruise Control: Towards higher traffic flows, at the cost of increased susceptibility to congestion <i>Jerath, Brennan</i>	Distance Support System For Rider Support During Car-Following <i>Pauwelussen, Oudenhuijzen, Weijnberg</i>
<b>3:05</b>	Semi-active Suspension with Gain-scheduled $H_{\infty}$ Control <i>Mizoo, Fukao, Itagaki et al</i>	Powertrain output torque profile shaping for noise & vibration reduction <i>Togai, Tamaki</i>		Traffic flow optimization by means of vehicle flocking in Petrinet representation via Consensus-Algorithm <i>Hubner, Luck, Schneider</i>	The specification, development and evaluation of a powered two-wheeler integrated safety system <i>Grant, Frampton, Talbot et al</i>