

EVTec2025: tentative_2025.02.27

Room	Session ID	Session Title	Date	Duration	Submission ID	Paper Title	Authors	Affiliations
Room A	A11-WPT	Static WPT1	Monday May 19	12:40-14:20	82	Wireless Charging and V2G: Unlocking the Future of Grid Resilience Through Electric Vehicles	Dr. Morris Kesler, Mr. Tom Okada	WiTricity
					70	Development of 150-kW Wireless Power Transfer System with Water Cooling for Windings	Dr. Keisuke Kusaka, Mr. Kazuki Yamagata	Nagaoka University of Technology
					96	Study on high-power wireless power transfer for EVs using multiple SAE J2954 coils	Prof. Yasuyoshi Kaneko, Mr. Amamiya Kota, Mr. Hamamoto Soichiro	Saitama University, Graduate School of Science and Engineering, Saitama, Japan
					98	2Layers type sheet-coil unit for WPT for EV - New coil structure saves copper resource -	Mr. Sohma Hasegawa, Ms. Akane Arakawa, Mr. Masato Okabe	Dai Nippon Printing Co., Ltd.,
					38	Design and Variation Analysis of Wireless Power Transfer System for Electric Vehicle	Mr. Kenichiro Hitosugi, Mr. Seishu Yanagihara, Dr. Kimiyoshi Kobayashi	Shindengen Electric Manufacturing Co., Ltd.
Room A	A12-WPT	Static WPT2 & Electric Drive Technology	Monday May 19	14:35-16:15	61	High-Efficiency and Radiated EMI Reduction Technology for WPT Systems Using Soft-switching Active Bridge Converter	Mr. Ryohei Okada, Dr. Ryosuke Ota, Prof. Nobukazu Hoshi	Tokyo University of Science, Tokyo Metropolitan University
					11	Current Balancing with a Pair of Coupled Inductors for Parallel Connected WPT System	Mr. Rintaro Kusui, Mr. Taiga Osada, Prof. Keisuke Kusaka, Prof. Jun-ichi Itoh	Nagaoka University of Technology
					127	Methods for controlling voltage and power to achieve high efficiency high power inductive charging under variable operating conditions	Dr. Giuseppe Guidi, Dr. Jon Are Suul	SINTEF Energy, Norwegian University of Science and Technology (NTNU)
					36	User-Friendly Wireless Charging with Capacitive Coupling in Electric Mobilities	Mr. Shinji Abe	Power Wave Co., Ltd.
					23	Compensation Network Design for MHz-band Wireless Power Transfer in EV Charging Applications	Mr. Itsuki Masuda, Mr. Sihoon Choi, Dr. Mitsuru Masuda, Prof. Jun Imaoka, Prof. Masayoshi Yamamoto	Nagoya University
Room A	A13-WPT	Electromagnetic Compatibility for WPT	Monday May 19	16:30-17:50	92	Novel Computational Approaches to Suppress Magnetic Field Leakage in Inductive Power Transfer Systems	Dr. Yoshiaki Narusue, Dr. Daisuke Kobuchi, Prof. Morikawa Hiroyuki	The University of Tokyo
					55	Harmonic Current Control Method for Selective EMI Reduction in Electric Vehicle Wireless Power Transfer System	Mr. Hyunsoo Lee, Mr. Seongho Woo, Dr. Sungryul Huh, Mr. Sanguk Lee, Ms. Jaewon Rhee, Mr. Changmin Lee, Prof. Seungyoung Ahn	Korea Advanced Institute of Science and Technology, Cho Chun Shik Graduate School of Mobility, Electromagnetic Compatibility Laboratory,
					35	Numerical EMI Estimation of Active Implantable Medical Devices for EV Wireless Power Transfer Systems Based on Induced Electric Field and Current in the Human Body	Prof. Takashi Hikage	Hokkaido University
					32	Standardization of Human Exposure Assessment for Low-Frequency (Below 30 MHz) WPT systems (IEC/IEEE 63184)	Dr. Keishi Miwa, Mr. Akihiko Nojima, Dr. Teruo Onishi	Toyota Motor Corporation, National Institute of Information and Communications Technology

EVTec2025: tentative_2025.02.27

Room	Session ID	Session Title	Date	Duration	Submission ID	Paper Title	Authors	Affiliations
Room B	B11-MOT	High Speed Machines for Transportation Applications	Monday May 19	12:40-14:20	21	High-speed and High-power Density Quasi-Coreless PMSM for Vehicle Propulsion	Prof. Takashi Kosaka, Mr. Teruchika Ishihara, Mrs. Ayaka Sakuma	Nagoya Institute of Technology
					5	Design of Conductor Cross Section to Reduce Temperature Rise of High Slot Fill Aluminum Winding in High-Speed Permanent Magnet Machines	Dr. Hiroya Sugimoto, Mr. Yuto Yamada, Mr. Jun Ebinuma	Tokyo Denki University
					67	Development of 50 krpm Ultra-High Speed IPMSM For EV traction	Dr. Ren Tsunata, Mr. Masaki Kimura, Prof. Masatsugu Takemoto, Dr. Jun Imai	Okayama University
					105	Improvement of PMSM loss estimation accuracy focusing on over 50,000rpm	Prof. Kan Akatsu, Mr. Atsuya Sano	Yokohama National University
					112	Development of Powertrain System Integrated of Magnetic Gear and Multiple High-Speed motors	Dr. Kohei Aiso, Prof. Kan Akatsu	Shibaura Institute of Technology
Room B	B12-MOT	Performance Improvement of Electric Machines	Monday May 19	14:35-16:15	19	Performance Improvement of a 10 kW-class Halbach Array Permanent Magnet Synchronous Motor using NdFeB Laminated Permanent Magnets with Optimal Insulation Structure	Prof. Taketsune Nakamura, Mr. Ryujiro Gombi, Ms. Emiko Tsuru, Dr. Tetsuhiko Mizoguchi, Dr. Masato Sagawa	Kyoto University, NDFEB Corporation
					20	Reducing heavy rare earth elements by combining permanent magnets in IPM motors	Dr. Shunsuke Takahashi, Mr. Yutaka Sasaki	Hino Motors, Ltd.
					68	A Study of Neodymium Magnet Replacement Technology for Electric Vehicle Traction Motor	Mr. Kazuhiro Matsumura	Nissan Motor Co., Ltd.
					125	A Novel Topology of Multi-Tooth Inter-Modular Flux Reversal Permanent Magnet Motor	Dr. Pedram Asef, Mr. Mohammad Reza Sarshar, Mr. Mohammad Amin Jalali Kondelaji, Prof. Mojtaba Mirsalim	Department of Mechanical Engineering, University College London, Amirkabir University of Technology (Tehran Polytechnic)
					41	Optimal Rotor Shape for Enhanced Torque in Double Stator Switched Reluctance Motors	Dr. Pedram Asef, Mr. Esmail Mohammadi, Dr. Shun Cai, Mr. Jalali Kondelaji Mohammad Amin	University College London
Room B	B13-EP	Technology for in-wheel motor	Monday May 19	16:30-17:50	34	Torque Control of In-Wheel Motor Electric Vehicles using PI-like Continuous Sliding Mode Method	Dr. Hiroyuki Fuse, Mr. Marius Heydrich, Dr. Valentin Ivanov, Mr. Tokikazu Mizuguchi, Ms. Yuna Morimoto, Dr. Binh-Minh Nguyen, Prof. Hiroshi Fujimoto	Technology University of Ilmenau, The University of Tokyo
					94	Wheel corner design for multi-actuated electric vehicles	Dr. Valentin Ivanov, Dr. Viktor Skrickij	Smart Vehicle Systems Group, TU Ilmenau, Vilnius Tech
					106	New generation of IWM-corner: Traction and braking power density and efficiency roadmap	Dr. Gorazd Gotovac	Elaphe Propulsion Technologies

EVTec2025: tentative_2025.02.27

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Room C	C11-EP	Technology for Eaxle	Monday May 19	12:40-14:20	57	A Novel Approach for Vehicle Parking: The Rotor Lock Module	Mr. Hiroshi Nishimura	Schaeffler Japan Co., Ltd.
					74	A Fast Calculation Method of Iron Losses of PWM inverter-Fed Motor in Heat Generation Control for Powertrain of Parked BEV	Dr. Takahiro Kumagai, Mr. Masahiro Takemoto, Mr. Kenji Inokuma, Mr. Yoshiyuki Kimura	DENSO Corporation
					75	Development of High Power Density Motor Drive Inverters	Mr. Yukinori Kobayashi	MEIDENSHA CORPORATION
					29	Advanced Noise Prediction and Cabin Sound Optimization in BEV Using Hybrid SEA Model	Mr. Cody McFarland, Mr. Tadanobu Aoki, Mr. Sanshiro Mizuno, Mr. Shinichi Kokabu	Honda Development and Manufacturing of America, LLC, K & A JPN
					111	The vision for a Carbon Neutral Scenario and Contributions to the Automotive Industry by TRAM	Mr. Koh Saitoh	NISSAN MOTOR Co., Ltd
Room C	C12-PE	Automotive Power Electronics Technology I	Monday May 19	14:35-16:15	47	Finite Element Based Structural Validation of Printed Circuit Board Assemblies - Under Consideration of Static-, Vibrational- and Thermal Loads	Mr. Christian Neubacher, Dr. Walter Hinterberger	MAGNA POWERTRAIN ENGINEERING CENTER STEYR GMBH & CO KG
					79	Functional Safety Assessment of High-Available 12V Power Supply Systems for Electric Vehicles with Automated Driving Functions	Mr. Shouzheng Wang, Dr. Winter Christian , Dr. Cello David	Esslingen University, Esslingen am Neckar, Germany, Robert Bosch GmbH, Schwieberdingen, Germany, University of Stuttgart, Stuttgart, Germany,
					33	An Innovative Discrete-Time Model Considering Discretization Phase Error and Its Approximation Order Analysis for IM High-Speed Drive	Dr. Zhifa Fang, Prof. Shinji Doki	Nagoya University
					62	Evaluation of Torque Feedback MTPA Control of IPMSMs using Torque Estimation Map in the Magnetic Saturation and Regenerative Regions	Ms. Haruka Tominaga, Prof. Keiichiro Kondo, Mr. Kazuhiko Matsunami	Waseda University, Suzuki Motor Corporation
					95	A Novel Modulation Method to Reduce DC-link Voltage Ripple for an Open-End Winding Motor Drive System	Mr. Kota Sato, Mr. Shinya Yano, Dr. Kenta Emori	Nissan Motor Co., Ltd.
Room C	C13-PE	Automotive Power Electronics Technology II	Monday May 19	16:30-17:50	107	A Capacitance Measurement Method for Power Modules in a Half-Bridge Topology for Automotive Applications	Ms. Jaewon Rhee, Mr. Sanguk Lee, Mr. Changmin Lee, Mr. Hyunsoo Lee, Dr. Hongseok Kim, Prof. Jiseong Kim, Prof. Seungyoung Ahn	Korea Advanced Institute of Science and Technology
					88	Multi-port EV Charger Conducive to EV Society - Report of Large-scale Charging with Efficient Conversion System -	Mr. Kimihisa Furukawa, Dr. Yuichi Mabuchi, Mr. Daisuke Matsumoto, Mr. Hiroaki Miyata, Mr. Masaya Ichinose	Research & Development Group, Hitachi, Ltd., Electrical Systems Division, Hitachi Industrial Products, Ltd.
					93	PWM control method to improve the voltage utilization rate of the inverter.	Mr. Takeshi Kuroda	Fuji Electric Co., Ltd.
					69	Study of SiC power device application for various electrified vehicle	Mr. Satoshi Yasuda, Mr. Keisuke Yuki, Mr. Ryoji Hironaka	Toyota Motor Corporation

EVTec2025: tentative_2025.02.27

Room	Session ID	Session Title	Date	Duration	Submission ID	Paper Title	Authors	Affiliations
Room A	A21-WPT	Dynamic WPT1	Tuesday May 20	13:20-14:40	99	Deployment of DWPT system for Electric Buses at World Expo Osaka	Mr. Yoshinori Tsuruda	daihen
					18	Report on the Four Year Burial of 41 Coils for Dynamic Wireless Power Transfer in Asphalt Roads	Prof. Takehiro Imura, Mr. Takahiro Yamahara, Mr. Naoya Sasa, Prof. Yoichi Hori, Mr. Hiroki Tanaka, Dr. Nagato Abe	Tokyo University of Science, Toa Road Corporation
					40	Development of Power Control Technology and International Standardization for Dynamic Wireless Power Transfer	Mr. Masato Maemura, Mr. Toshiya Hashimoto, Mr. Shogo Tsuge, Mr. Ryosuke Ikemura, Mr. Masato Ehara	TOYOTA MOTOR CORPORATION
					90	Study of 150kW Dynamic Wireless Power Transfer for Light-Duty Passenger Vehicles	Mr. Kenichiro Takahashi, Mr. Shuji Kawano, Mr. Tetsu Sato	Honda R&D Co., Ltd.
Room A	A22-WPT	Dynamic WPT2 & Electric Drive Technology	Tuesday May 20	14:55-16:35	14	Recent Developments for Wireless Electric Road Systems	Dr. Andreas Wendt, Mr. Oren Ezer	Electreon Wireless LTD
					71	Verification of Big Data Analysis on Dynamic Wireless Power Transfer for Electric Vehicles Focused on Traffic Signal GPS	Mr. Yutaka Shikauchi, Mr. Kota Fujimoto, Dr. Osamu Shimizu, Prof. Hiroshi Fujimoto, Mr. Shuji Kawano	Graduate School of Frontier Sciences, The University of Tokyo, Graduate School of Engineering, The University of Tokyo, Honda R&D Co., Ltd.,
					64	Challenges of Electrical Road System (ERS) towards DPWT - Load durability of non-contact power supply pavement -	Dr. Nagato Abe, Mr. Takahiro Yamahara, Mr. Sasa Naoya, Prof. Imura Takehiro, Prof. Hori Yoichi, Mr. Tanaka Hiroki	TOA ROAD CORPORATION, Tokyo University of Science
					15	Charging Ahead: the optimal location of wireless power transfer systems to electrify roads in urban environments	Dr. Thomas Byrne, Prof. Yudai Honma	University of Strathclyde, University of Tokyo
					116	Trade-offs between WPT Infrastructure Investment and EV Investment towards Infinite Driving	Dr. Yudai Honma, Dr. Daisuke Hasegawa, Dr. Katsuhiro Hata, Prof. Takashi Oguchi	The University of Tokyo
Room A	A23-WPT	Other Applications for WPT	Tuesday May 20	16:50-17:50	77	A Waveguide Power Transfer for Electric Vehicles in Motion	Dr. Yuichi Masuda, Prof. Hiroyuki Shinoda	The University of Tokyo, Graduate school of Frontier Science, 2DC, Inc.
					81	Latest Trends in Rulemaking for Capacitive Coupling Wireless Power Transmission Systems Using 6.7MHz Frequency Band	Prof. Kunihiko Sasaki, Dr. Shinji Abe, Dr. Tetsuo Endo, Dr. Masahiro Hanazawa	Nagoya Institute of Technology, Power Wave Co., Ltd., TAISEI CORPORATION,
					13	Toward Extension of Undersea EM Field Propagation Distance	Dr. Ikuo Awai, Dr. Takashi Chira, Mr. Shunsuke Hino, Mr. Hiroki Shigetomi, Prof. Masayuki Okamoto, Prof. Yoshiki Mizukami	fujiwaves co.ltd, National Institute of Technology, Ube college, Yamaguchi University, Graduate School ,

EVTec2025: tentative_2025.02.27

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Room B	B21-EP	Vehicle motion and stability control	Tuesday May 20	13:20-14:40	49	Comparative studies on the performance of Antilock Braking System for a hybrid brake-by-wire system in EV application	Mr. Marius Heydrich, Dr. Valentin Ivanov	Smart Vehicle Systems, Technische Universität Ilmenau
					52	Robust Roll Stability Control of Narrow Tilting Vehicle Based on Disturbance Observer	Mr. SUNYEOP Lee, Mr. Cho Hyeonseok, Prof. Nam Kanghyun	Yeungnam University, Hyundai (Kia Namyang) Research and Development Center
					109	Design of All-Speed-Range Electronic Differential System for Front-Wheel-Independent-Drive Electric Vehicles	Prof. Bo-Chiuan Chen, Mr. Yen-Ju Huang, Mr. Shih-Hao Chen	National Taipei University of Technology
					78	Motor-Brake-Blending based Roll Stability Enhancement for On Board Motor Electric Vehicles with Torque Vectoring Control	Mr. Hiromitsu Toyota, Prof. Binh-Minh Nguyen, Prof. Sakahisa Nagai, Prof. Hiroshi Fujimoto, Dr. Kaoru Sawase	The University of Tokyo, Mitsubishi Motors Corporation
Room B	B22-MOT	Motor Drive Technologies	Tuesday May 20	14:55-16:35	6	Comparative Analysis of Modulation Methods for High-Speed, Low-Inductance Motors	Prof. Nobukazu Hoshi, Mr. Keitaro Kawarazaki, Mr. Mikami Taiki, Mr. Deguchi Yuichiro, Mr. Morita Sho	Tokyo University of Science
					73	Current Harmonics Suppression Control for EV Traction Motor	Mr. Wataru Hastuse, Mr. Ajima Toshiyuki	Hitachi, Ltd. Research & Development Group
					97	Development of Five-Phase Multi-Mode Reluctance Motor with Current Vector Control for xEV Application	Mr. Ryo Kokubu, Dr. Kyohei Kiyota	Institute of Science Tokyo
					124	Motor Current Control for High Speed Motor Drive Systems	Prof. Kantaro Yoshimoto, Mr. Yuto Hirao, Prof. Yokoyama Tomoki	Tokyo Denki University
					45	Development of High Voltage Insulation of the Motor for BEV and HEV and PHEV	Mr. Noriyoshi Yamada	TOYOTA MOTOR CORPORATION
Room B	B23-MOT	Motor Technologies	Tuesday May 20	16:50-17:50	115	Applying the Drive Shaft Torsional Vibration Control to the Induction Motors	Mr. Kohei Kawasaki, Mr. Sho Ohno, Mr. Hiroyuki Komatsu, Mr. Yui Ito, Mr. Akira Sawada, Mr. Takashi Nakajima	Nissan Motor Co., Ltd.
					66	Energy Management Strategy for Dual IM-PMSM Electric Vehicles	Mr. An-Toan Nguyen, Prof. Binh-Minh Nguyen, Prof. João Pedro F. TROVÃO, Prof. Minh C. Ta	Université de Sherbrooke, Sherbrooke, QC, Canada, the University of Tokyo, Tokyo, Japan, IPC-ISEC and INESC Coimbra, Coimbra, Portugal, Quy Nhon University, Quy Nhon, Binh Dinh, Vietnam
					48	Plastic Motor Solutions - Possibility of Plastics Application to motor -	Mr. Shinya Yamamoto	SUMITOMO BAKELITE CO.,LTD.

EVTec2025: tentative_2025.02.27

Room	Session ID	Session Title	Date	Duration	Submission ID	Paper Title	Authors	Affiliations
Room C	C21-BAT	Application of Energy Storage System 1	Tuesday May 20	13:20-14:40	103	Bipolar Technology: The Next Step in Battery Volume Optimization	Mr. Karsten Mueller, Mr. Michael Clauss, Dr. Alexander Fandakov	IAV GmbH
					50	Parameter Identifications of Electrochemical NCA/SiOx Battery Cell Model Using Scaled Data from BEV Experiments	Prof. Ratnak Sok, Prof. Jin Kusaka	Waseda University
					113	Experimental study on liquid cooling battery thermal management system for battery electric vehicle.	Ms. Maram Rihawi, Mr. Kamaleshwar Nandagopal, Mr. Ratnak Sok, Prof. Jin Kusaka	Associate Professor at Waseda University, Graduate Student at Waseda University, Professor at Waseda University,
					120	Simulation of Battery Cell Heating Behavior Using a Thermal Model	Dr. Hiroshi Hatakeyama, Mr. Shimpachi Matsunaga	HORIBA, Ltd.
Room C	C22-BAT	Application of Energy Storage System 2	Tuesday May 20	14:55-16:35	54	Improving battery pack model accuracy of next-generation light-duty battery electric trucks under JE05 driving cycle	Ms. Xinwei Li, Mr. Haoxiang Li, Dr. Ratnak Sok, Mr. Keiki Tanabe, Mr. Goro Iijima, Prof. Jin Kusaka	Waseda University, Mitsubishi FUSO Truck & Bus Corporation
					83	Simulation of Electric Mobility Concepts - Swappable Batteries and Battery Swapping Stations	Dr. Sebastian Brulin, Mr. Tamon Toyooka, Dr. Fischer Lydia, Dr. Rodemann Tobias, Dr. Kreuchauff Florian	Honda Research Institute Europe, Institute of Science Tokyo, Honda R&D Europe,
					110	Application of Battery Digital Twin to Charge Planning Problem for a Fleet of Electric Vehicles	Mr. Subhajeet Rath, Ms. Alenka Beckers, Mr. Paul Netto, Dr. Róbinson Medina, Dr. Steven Wilkins	Toegepast Natuurwetenschappelijk Onderzoek (TNO), Technical University of Eindhoven
					28	AI Driven Digital Twin for Improved Battery Performance and Predictive Maintenance	Dr. Nikolaus Keuth, Mr. Gerhard Schagerl	AVL List GmbH
					102	Battery Diagnostics and Monitoring Methods	Ir. Avedis Dadikozyan, Dr. Camiel Beckers, Ir. Tim Meulenbroeks, Ir. Erik van den Tillart, Dr. Steven Wilkins	Netherlands Organization for Applied Scientific Research (TNO), Eindhoven University of Technology
Room C	C23-EP	Motor design and control	Tuesday May 20	16:50-17:50	126	Exploring High-Fidelity Winding Design using Additive Manufacturing in Double-Stator Switched Reluctance Motors	Dr. Pedram Asef, Mr. Zhong Gao, Dr. Shun Cai, Dr. Chu Lun Alex Leung	Department of Mechanical Engineering, University College London
					27	Development of Low-Loss Technology Using Continuous Wave Winding	Dr. Makoto Ito, Mr. Tetsuya Suto, Dr. Akeshi Takahashi	Hitachi, Ltd., Hitachi Astemo, Ltd.
					87	Developing IPMSM control that achieve high precision with short calibration time	Mr. Kentaro Matsuo, Dr. Taniguchi Shun, Mr. Hiroaki Inaba	Hitachi Astemo, Ltd., Hitachi, Ltd.

EVTec2025: tentative_2025.02.27

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Room A	A31-(TBA)	Grid & Charging Technology	Wednesday May 21	13:20-14:20	86	Reduction of grid electricity demand of BEV's by applying integrated photovoltaics	Dr. Lenneke Slooff-Hoek, Dr. Anna J. Carr, Dr. Ashish Binani, Dr. Oscar van de Water, Dr. Michiel Zult, Dr. Aksahy Bhoraskar, Dr. Rene van Gijlswijk	TNO Energy and Materials Transition, Solar Energy, TNO Mobility and Built Environment, Sustainable Transport and Logistics
					58	Impact of Electricity Prices and Tariffs on Smart Charging: A Comparison Between Norway and Denmark Using Receding Horizon Optimization	Ms. Anna Malkova, Dr. Jan Martin Zepter, Prof. Magnus Korpås, Prof. Mattia Marinelli	Technical University of Denmark, Norwegian University of Science and Technology
					118	An evaluation of 48 V for the automotive low voltage power supply	Mr. Richard Weidle, Mr. Takuya Mimori	Schaeffler AG, Vitesco Technologies GmbH
Room A	A32-(TBA)	Advanced Simulation & Measurement Technology	Wednesday May 21	14:55-16:35	43	Standardization of Hardware Protected Security Environments - GlobalPlatform Alignment with SAE's J3101: An Opportunity for Japanese Standardisation Alignment	Ms. Francesca Forestieri, Mr. Gil Bernabeu	GlobalPlatform, Thales
					51	Uncertainty when Testing Electric Vehicle Drive Trains	Dr. Alexander Stock, Mr. Klaus Lang, Dr. Marjorie Takai	Hottinger Brüel & Kjær GmbH, Spectris Co., Ltd. Hottinger Brüel & Kjær Division
					91	Securing the Future of Electric Vehicles: A Novel Approach Using MILS and Zero Trust Architecture	Dr. Jun Anzai, Mr. Yoshiharu Imamoto	Panasonic Automotive Systems Co., Ltd.
					85	Full EV vehicle model for digital authentication through virtual testing	Dr. Kimitoshi Tsuji, Prof. Toshiji Kato, Mr. Tsunehiro Saito, Mr. Masahiro Okamura	Digital Twins Inc., Department of Electrical Engineering, Doshisha University,, AGC Inc., JSOL, INC.
					60	Evaluation of Traffic Impact of Platooning on Highways	Mr. Kizuku Yamada, Mr. Takashi Nishikiori, Mr. Masanori Shimada, Mr. Tomomi Yamada, Mr.Toshiya Hashimoto	Toyota Motor Corporation
Room B	B31-BAT	Energy Storage System Technologies	Wednesday May 21	13:20-14:20	39	Ultrafast charging for different applications with SuperBatteries and SuperCapacitors	Dr. Linus Froboese	Skeleton Technologies GmbH
					89	Diagnosis technology for lithium ion battery degradation	Prof. Shun Egusa, Prof. Tetsuya Osaka, Prof. Toshiyuki Mamma	Waseda University, EC Sensing, Inc.
					24	Analysis of Influencing Factors of Electric Bus Energy Consumption	Mr. Li Xiaopan, Mr. Baoku Zhang, Mr. Chongshan Yang, Mr. Hua Shi	Jiangsu Alfa Bus Co.,Ltd., Shanghai ECAR New Energy Vehicles Technology Co., Ltd.
					16	The Role of Mg in the Circular Economy and its Potential as an Energy Carrier -Agriculture (Forestry), Fishery and Modern Industry-	Prof. Hiroyuki Shibata	IMRAM, TOHOKU University, The Council of Circulating Society

EVTec2025: tentative_2025.02.27

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Room B	B32-EP	System Desing for BEV and HEV	Wednesday May 21	14:55-16:35	37	Pathways to the Next Stage of E-Mobility	Mr. Gerhard Meister	AVL List GmbH
					44	Sustainable EDU Solutions	Mr. Wilhelm Vallant, Mr. Mathias Deiml, Mr. Gernot Fuckar, Mr. Martin Rothbart	AVL List GmbH
					63	Investigation of Safety Design Methods for Low to Medium Speed Mobility Systems in Logistics	Mr. Shota Hori, Mr. Hirasawa Takuma, Mr. Hagiwara Koji, Mr. Sugihira Shigehiro, Mr. Fujiwara Yasutaka, Mr. Owatari Masakazu	TOYOTA MOTOR CORPORATION
					31	THS Engine Torque Detection System Using Motor/Generator Resolver - xEV Technology That Utilizes the Potential of Engine for the Multi-Pathway Approach -	Mr. Takashi Suzuki, Mr. Kohei Yasumura, Mr. Nobuhiro Kotake, Mr. Takeshi Kitahata, Mr. Koichiro Muta	TOYOTA MOTOR CORPORATION, Powertrain Company
					46	The Electrified Control Technology for Toyota's L4A0 and L580	Mr. Mu Hu, Mr. Masayuki Baba, Mr. Yoshiyuki Teratani, Mr. Yoshiaki Tsuruta, Mr. Nobufusa Kobayashi	Toyota Motor North America, Inc., Toyota Motor Corporation
Room C	C31-FC	Fuel Cell Technology	Wednesday May 21	13:20-14:20	53	Carbon monoxide poisoning and recovery on a polymer electrolyte fuel cell with a hydrogen circulation system	Dr. Yoshiyuki Matsuda, Dr. Takahiro Shimizu, Dr. Daichi Imamura	Japan Automobile Research Institute
					10	Verification of a novel hydrogen refueling method for HDVs	Mr. Kiyoshi Handa, Mr. Tatsuya Rembutsu, Dr. Tomonari Komiyama	HONDA R&D Co., Ltd., Tokico System Solutions, Ltd., HySUT,
					80	Development of a new structural fuel cell and stack	Mr. Manabu Iwaida, Mr. Choichi Ishikawa, Mr. Takashi Kato, Mr. Kazuo Nunokawa	Honda R&D Co., Ltd.
					22	Approach to building technology for mass production of fuel cell systems for social implementation	Mr. Hiroaki Kawanishi, Mr. Yusuke Wada, Mr. Keita Iwaya	HONDA R&D Co., Ltd., Innovative Research Excellence, Power Unit & Energy
Room C	C32-FC	Fuel Cell Technology	Wednesday May 21	14:55-16:35	101	Capillary Pressure-Water Saturation Relations for Gas Diffusion Layers Affecting Water Transport and PEFC Polarization Behaviors	Prof. Shohji Tsushima, Mr. Shota Tateyama, Prof. Takahiro Suzuki, Mr. Naoki Hirayama, Mr. Mitsunori Nasu, Prof. Masahiro Watanabe, Prof. Akihiro Iiyama, Prof. Makoto Uchida,	Univeristy of Yamanashi, Enomoto Co. Ltd., Osaka University,
					42	A Novel Approach to Polymer Electrolyte Fuel Cell Electrode Slurries	Dr. Takahiro Suzuki, Mr. Ryo Kirigaya, Mr. Hajime Ooya, Ms. Kayoko Tamoto, Prof. Makoto Uchida, Prof. Shohji Tsushima	Osaka University, University of Yamanashi
					128	Energy Management System for Hydrogen Vehicles Considering State of Health of Fuel Cells and Lithium Batteries	Mr. Chi-Chang Huang, Mr. Zheng-Wei Fan, Prof. Yi-Hsuan Hung, Mr. Tsu-Yang Tsai	National Taiwan Normal University, Industrial Technology Research Institute
					104	The StasHH Size, Interface, and Testing Protocol Standards for Fuel Cell Modules in Heavy-Duty Applications	Dr. Kamil Mrozewski, Mr. Anirudh Balaji, Dr. Cemil Bekdemir, Mr. Ruud Bouwman, Dr. Henrik Lundkvist	TNO Powertrains, VDL Enabling Transport Solutions, SINTEF Digital,
Room C	C33-FC	Fuel Cell Technology	Wednesday May 21	16:50-17:50	7	Advanced Ion-Pair High-Temperature Polymer Electrolyte Membrane Fuel Cells	Dr. Liang Wang	Toyota Research Institute of North America, Toyota Motor Corporation
					8	Development of an Integrated Fuel Cell System Simulator "FC-DynaMo" - Toward Acceleration of Advanced Research and Product Development -	Prof. Shigeki Hasegawa, Prof. Sanghong Kim, Ms. Miho Kageyama, Prof. Motoaki Kawase	Kyoto University, Toyota Motor Corporation, Tokyo University of Agriculture and Technology,
					108	Evaluation of Standardized Testing Protocols for Fuel Cell Modules in Heavy-Duty Applications	Mr. Anirudh Balaji, Dr. Kamil Mrozewski, Dr. Cemil Bekdemir, Ms. Yali Wang, Mr. Etienne Havret	TNO Powertrains, FEV Motor Hybrid and Fuel Cell Powertrains, CEA Energy Division,