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Please note, this schedule of Technical Sessions at WCX is subject to change.

WCX SAE World Congress Experience: Technical Session Schedule

Date	Time	Room	Session Code	Involved	Title	Paper # / Note
4/8/2025	8:00	310 B	PFL299	Thomas Briggs, SwRI; Paul Gwyther, Cummins Engine Co., Ltd.; Mitsubishi Nomura, Toyota Motor North America, Richard Pearson, British Petroleum Co. PLC	Panel Discussion - Hydrogen ICE: Opportunities and Challenges	Panelists
4/8/2025	8:00	140 B	PFL311	Abdullah Bajwa, Southwest Research Institute; Stefania Esposito, University Of Bath; Derek Splitter, Daewon Tyrewala, Oak Ridge National Laboratory	Fuel and Combustion Fundamentals	Organizers
4/8/2025	10:00	140 D	PFL150	Pyush Bhagdikar, Stanislas Gankov, Jayant Sarashkar, Scott Hotz, Shreshth Rajkumar Deshpande, Sankar Nengrajan, Karik Adulak, Joseph Doolmeier, Daniel O'Souza, Joshua Alden, Shuodeep Bhattacharya, Southwest Research Institute	Energy-Efficient Maneuvering of Connected and Automated Vehicles: NEXTCAR Phase B Results	2025-01-8385
4/8/2025	8:00	142 A	PFL720	Ashok Kumar, Cummins Inc.; Santhosh Gundapally, Gamma Technologies LLC; Matthew Kubesh, Southwest Research Institute; Rabiel Sari, Aramco Research Center; Di Zhu, Ford Motor Company; Vikas Narang, Cummins Inc.	Advanced Fuel Cell Vehicle Applications Part 1 of 3	Organizers
4/8/2025	13:30	142 A	PFL720	Ashok Kumar, Cummins Inc.; Santhosh Gundapally, Gamma Technologies LLC; Matthew Kubesh, Southwest Research Institute; Rabiel Sari, Aramco Research Center; Vikas Narang, Cummins Inc.; Di Zhu, Ford Motor Company	Advanced Fuel Cell Vehicle Applications Part 2 of 3	Organizers/Chair
4/8/2025	8:00	251 B	AE600	Katherine Kozan, Southwest Research Institute	Uncovering Security Flaws in DC Chargers for Electric Vehicles	2025-01-8118
4/8/2025	13:30	252 B	AE506	Eric Thoms, Veronica Kraljic, Joseph Buchter, Southwest Research Institute	Advancing Verification and Validation for ADAS and ADS	2025-01-8052
4/8/2025	8:00	310 B	PFL299	Mark Hoffman, Auburn University; Leonid Tartakovsky, Technion Israel Inst. of Technology; John Waldman, General Motors LLC; Svritana Kroll, Southwest Research Institute; Riccardo Scarcell, Argonne National Laboratory; Derek Splitter, Oak Ridge National Laboratory; Felix Leach, University of Oxford	Panel Discussion - Hydrogen ICE: Opportunities and Challenges	Organizers
4/8/2025	13:30	310 B	PFL499	Wole Akinyemi, Cummins; Dirk Boesteels, AEOC; Michael Geller, MECA; Supplying Clean Mobility; Christopher Sharp, Southwest Research Institute; David Valleumier, Chevron Energy Technology Company;	Panel Discussion: A Year in Review on Emissions, Fuels, and Propulsion	Panelists
4/8/2025	8:00	357	SDP110	Michael Geller, MECA; Supplying Clean Mobility; Vicky Kalasakar, Southwest Research Institute; Christopher Kolodziej, Argonne National Laboratory; Amanda Lea-Langton, Univ. of Manchester; Jenny Sigelko, Porsche Cars North America Inc.	Lifecycle and Techno-Economic Analysis of Transport Technologies, Decarbonization Strategies - Part 1 of 2	Organizers
4/8/2025	13:30	357	SDP100	Michael Geller, MECA; Supplying Clean Mobility; Vicky Kalasakar, Southwest Research Institute; Christopher Kolodziej, Argonne National Laboratory; Amanda Lea-Langton, Univ. of Manchester; Jenny Sigelko, Porsche Cars North America Inc.	Lifecycle and Techno-Economic Analysis of Transport Technologies, Decarbonization Strategies - Part 2 of 2	Organizers
4/9/2025	8:00	140 D	PFL180	Yichao Qao, Stellantis NV; Xin He, Aramco Americas; Chuanki Liu, General Motors Corporation; Qilong Lu, Southwest Research Institute; Lu Qu, Cummins Inc.; Jian Tang, Robert Bosch GmbH; Ziming Yan, Aramco Americas; Peng Zhao, University of Tennessee	Recent Developments in Propulsion Technologies for Ground Transportation - Part 1 of 2	Organizers
4/9/2025	13:30	140 D	PFL180	Yichao Qao, Stellantis NV; Xin He, Aramco Americas; Chuanki Liu, General Motors Corporation; Qilong Lu, Southwest Research Institute; Lu Qu, Cummins Inc.; Jian Tang, Robert Bosch GmbH; Ziming Yan, Aramco Americas; Peng Zhao, University of Tennessee	Recent Developments in Propulsion Technologies for Ground Transportation - Part 2 of 2	Organizers
4/9/2025	13:30	140 D	PFL180	Chris Britis, Southwest Research Institute	Hybrid Systems Integration for Commercial Vehicles	Oral
4/9/2025	8:00	140 E	PFL710	Prathik Mervaa, Alexander Michtberger, Pruthi Bachu, Daniel Christopher Britis, Southwest Research Institute	Optimizing Hybrid Powertrains for Light Duty Commercial Vehicles	2025-01-8544
4/9/2025	15:30	140 E	PFL720	Ashok Kumar, Cummins Inc.; Santhosh Gundapally, Gamma Technologies LLC; Matthew Kubesh, Southwest Research Institute; Rabiel Sari, Aramco Research Center; Vikas Narang, Cummins Inc.; Di Zhu, Ford Motor Company	Advanced Fuel Cell Vehicle Applications Part 3 of 3	Organizers
4/9/2025	13:30	140 F	SDP120	Vicky Kalasakar, Southwest Research Institute; Simona Morita, CNR Stems; Tamr Abdel-Salam, East Carolina University; Teresa Donates, University Of Salerno; Jenny Sigelko, Porsche Cars North America Inc.	Sustainable Transport Technologies: Alternative Energy Sources	Organizers
4/9/2025	13:30	140 G	PFL720	Diego Bestel, Caterpillar Inc.; Vicky Kalasakar, Southwest Research Institute; Joshua Lacey, KU Leuven; Enzo Mancuso, STEMS - CNR; Gordon McTaggart-Cowan, Simon Fraser University; Ales Sma, Sandia National Laboratories; Leonid Tartakovsky, Technion Israel Inst. of Technology	Combustion in Gaseous-Fueled Engines - Part 2 of 4	Organizers
4/9/2025	9:30	141	PFL720	Diego Bestel, Caterpillar Inc.; Vicky Kalasakar, Southwest Research Institute; Joshua Lacey, KU Leuven; Enzo Mancuso, STEMS - CNR; Gordon McTaggart-Cowan, Simon Fraser University; Ales Sma, Sandia National Laboratories; Leonid Tartakovsky, Technion Israel Inst. of Technology	Combustion in Gaseous-Fueled Engines - Part 1 of 4	Organizers/Chair
4/9/2025	13:30	141	PFL498	Svritana Kroll, Southwest Research Institute; J. Felipe Rodriguez, International Council On Clean Transport; Meri Zorlu, Cummins Inc.; Mahmoud Yassine, Stellantis; Susumu Sato, Institute of Science Tokyo	Panel Discussion - Navigating Regulatory Challenges: Testing & Measurement	Organizers/Chair/Panel
4/9/2025	9:00	142 B	PFL420	Bryan Zavala, Kevin Timm, Christopher Sharp, Southwest Research Institute	Examining Vanadium SCR for Light-Off and Close Coupled SCR Technologies	Oral
4/9/2025	8:00	310 A	PFL440	Svritana Kroll, Southwest Research Institute; J. Felipe Rodriguez, International Council On Clean Transport; Dado Karim Sylla, Cummins Inc.; Yuesen Wang, Exponent; Susumu Sato, Institute of Science Tokyo; Mi-Young Kim, Meri Zorlu, Cummins Inc.	Emissions Measuring and Testing - Part 1 of 3	Organizers/Chair
4/9/2025	9:30	310 A	PFL440	Christopher Sharp, Bryan Zavala, Gary Neely, Sandesh Rao, Southwest Research Institute; Yi Tan, Jeffrey Lowy, Jenna Latt, California Air Resources Board	Demonstration of Advanced Low NOx Technology on an Off-road Engine	Oral
4/9/2025	14:30	310 B	PFL310	Vicky Kalasakar, Robert Mitchell, Southwest Research Institute; Daniel Pournieu, LyondellBasell	Impact of Oxygenated Fuel Components on Engine Performance and Particulate Emissions in Gasoline Blends	2025-01-8446
4/10/2025	8:30	140 A	PFL760	Venkata Rajesh Chundru, Matthew Kubesh, Adithya Legala, Southwest Research Institute	Supervisory Control System Development for a Toyota Mirai FCEV	2025-01-8586
4/10/2025	13:30	140 B	PFL312	Xin Yu, Abdullah Bajwa, Southwest Research Institute; Onitsa Tonatore, Italian National Research Council; Richard Davis, Michigan Technological University	SI Ignition (Conventional)	Organizers
4/10/2025	8:00	140 C	PFL220	Dario Lopez Pinto, Sanguk Lee, Sandia National Laboratories; Seokwon Cho, Southwest Research Institute; Stephen Bauch, Cummins Inc.; Angelia Wu, Alkermes; Nathan Nazzari, Ram Aboud, Sandia National Laboratories	Effects of Post Injection Strategy on the Performance of Diesel Catalysts: Heating Operation	2025-01-8414
4/10/2025	13:30	140 E	PFL450	Carlos Agudelo, Link Engineering Co.; Mark Hoffman, Auburn Univ.; Imad Khalek, Southwest Research Institute; Andrea Strzelec, USCAR	Particle Emissions and Control from Combustion Sources	Organizers/Chair
4/10/2025	13:30	140 E	PFL450	Venkata Lakshidey, Imad Khalek, Gina Buffoloe, Southwest Research Institute	Effect of Fuels on Compression Ignition Engine Particle Number and Mass	2025-01-8502
4/10/2025	14:00	140 E	PFL450	Venkata Lakshidey, Imad Khalek, Gina Buffoloe, Southwest Research Institute	Emissions and DPF Filtration Efficiency	2025-01-8503
4/10/2025	15:30	140 E	PFL450	Travis Kostan, Matt Blanks, Southwest Research Institute	Effect of Fuels on Compression Ignition Engine Particle Size Distribution and DPF Filtration Efficiency	Oral
4/10/2025	8:00	140 F	PFL430	Venkata Rajesh Chundru, Karik Adulak, Christopher Sharp, Southwest Research Institute	Fuel Property and GDI Technology Effects on Particle Emissions of Light-Duty Gasoline Vehicles	2025-01-8488
4/10/2025	8:00	140 G	PFL720	Diego Bestel, Caterpillar Inc.; Vicky Kalasakar, Southwest Research Institute; Joshua Lacey, KU Leuven; Enzo Mancuso, STEMS - CNR; Gordon McTaggart-Cowan, Simon Fraser University; Ales Sma, Sandia National Laboratories; Leonid Tartakovsky, Technion Israel Inst. of Technology	Prediction and Control of Long-Term System Degradation for a Light-Off SCR in an Ultra-Low NOx Aftertreatment System	2025-01-8488
4/10/2025	13:30	140 G	PFL720	Diego Bestel, Caterpillar Inc.; Vicky Kalasakar, Southwest Research Institute; Joshua Lacey, KU Leuven; Enzo Mancuso, STEMS - CNR; Gordon McTaggart-Cowan, Simon Fraser University; Ales Sma, Sandia National Laboratories; Leonid Tartakovsky, Technion Israel Inst. of Technology	Combustion in Gaseous-Fueled Engines - Part 3 of 4	Organizers
4/10/2025	13:30	140 G	PFL720	Diego Bestel, Caterpillar Inc.; Vicky Kalasakar, Southwest Research Institute; Joshua Lacey, KU Leuven; Enzo Mancuso, STEMS - CNR; Gordon McTaggart-Cowan, Simon Fraser University; Ales Sma, Sandia National Laboratories; Leonid Tartakovsky, Technion Israel Inst. of Technology	Combustion in Gaseous-Fueled Engines - Part 4 of 4	Organizers/Chair
4/10/2025	13:30	142 B	HO3300	Andre Swarts, Swapnil S. Sahi, Daniel Juarez Robles, Southwest Research Institute	Impact of Thermal and Electrical Dissimilarities on Battery Module Aging	2025-01-8173
4/10/2025	8:00	310 A	PFL440	Svritana Kroll, Southwest Research Institute; J. Felipe Rodriguez, International Council On Clean Transport; Dado Karim Sylla, Cummins Inc.; Yuesen Wang, Exponent; Susumu Sato, Institute of Science Tokyo; Mi-Young Kim, Meri Zorlu, Cummins Inc.	Emissions Measuring and Testing - Part 2 of 3	Organizers
4/10/2025	8:00	310 A	PFL440	Ana Balakrishnan, Venkata Rajesh Chundru, Scott Eakle, Christopher Sharp, Southwest Research Institute	Impact of Chemical Poisoning and Hydrothermal Aging on a Production Diesel AT System	2025-01-8497
4/10/2025	10:00	310 A	PFL440	Venkata Lakshidey, Philip Weber, Southwest Research Institute; Robert McCormick, National Renewable Energy Laboratory; Steve Howell, MARC-IV Consulting	Biodiesel and Renewable Diesel Blends Oxidation by Diesel Oxidation Catalyst	2025-01-8500
4/10/2025	13:30	310 A	PFL440	Svritana Kroll, Southwest Research Institute; J. Felipe Rodriguez, International Council On Clean Transport; Dado Karim Sylla, Cummins Inc.; Yuesen Wang, Exponent; Susumu Sato, Institute of Science Tokyo; Mi-Young Kim, Meri Zorlu, Cummins Inc.	Emissions Measuring and Testing - Part 3 of 3	Organizers
4/10/2025	14:30	310 A	PFL440	Venkata Lakshidey, Philip Weber, Southwest Research Institute; Robert McCormick, National Renewable Energy Laboratory; Steve Howell, MARC-IV Consulting	Impact of Oxidation Catalyst Formulation and Space Velocity on Performance with Conventional and Renewable Fuels	2025-01-8495
4/10/2025	13:30	310 B	PFL398	Scott Halley, The Lubrizol Corporation; Cole Hudson, Southwest Research Institute; Troy Muransky, AAM (American Axle & Mfg Inc); Kalyan Mahesh, Ford Motor Co.;	Panel Discussion - Emerging Test Methods for electrified drive lubricants: Challenges and Outlooks	Panelists