18. Cross-Reference of Project Investigators, Projects, and Organizations

Cross-Reference, Sorted by Project Investigator

Page Principal Investigator (Organization) – Project Title / Session

- 2-12 Abraham, Daniel (Argonne National Laboratory) -- ANL Diagnostics / Applied Battery Research
- 2-70 Abraham, Daniel (Argonne National Laboratory) -- SEI Studies at ANL / Applied Battery Research
- 7-24 Aceves, Salvador (Lawrence Livermore National Laboratory) -- HCCI Engine Research and Modeling / Combustion Research
- 10-28 Aceves, Salvador (Lawrence Livermore National Laboratory) -- LLNL APBF / Fuels Technologies
- 5-34 Adams, Don (Oak Ridge National Laboratory) -- Uncluttered Rotor PM Machine, Axially Excited Electro-Magnetics Synchronous Rotor Motor, Application of Concentrated Windings to Electric Motors, Amorphous Core Material Evaluation, and Magnetic Material for PM Motors / Advanced Power Electronics
- 10-31 Adhvaryu, Atanu (Caterpillar) -- Multi-Component Nanoparticle-Based Lubricant Additive / Fuels Technologies
- 10-14 Agarwal, Apoory (Ford Motor Company) -- E85 Optimized Engine Application / Fuels Technologies
- 14-12 Ajayi, Oyelayo (Argonne National Laboratory) -- Boundary Layer Lubrication / Vehicle Systems and Simulation
- 3-15 Alamgir, Mohamed (Compact Power) -- High-Power Electrochemical Storage Devices and Plug-in Hybrid Electric Vehicle Battery Development / Battery Development, Testing, Simulation, Analysis
- 10-9 Alexander, Colleen (National Renewable Energy Laboratory) -- APBF Impacts on Advanced Combustion Engines / Fuels Technologies
- 12-15 Allard, Larry (Oak Ridge National Laboratory) -- Catalysts via First Principles / Propulsion Materials
- 12-17 Allard, Larry (Oak Ridge National Laboratory) -- Characterization of Catalyst Microstructures and Deactivation Mechanism / Propulsion Materials
- 2-44 Amine, Khalil (Argonne National Laboratory) -- Low-Cost Components: Development of Advanced High-Power and High-Energy Battery Materials / Applied Battery Research
- 2-58 Amine, Khalil (Argonne National Laboratory) -- Material-Level and Component Abuse Studies / Applied Battery Research

- 5-34 Anderson, Iver (Ames National Laboratory) -- Uncluttered Rotor PM Machine, Axially Excited Electro-Magnetics Synchronous Rotor Motor, Application of Concentrated Windings to Electric Motors, Amorphous Core Material Evaluation, and Magnetic Material for PM Motors / Advanced Power Electronics
- 3-21 Andrew, Mike (Johnson Controls-SAFT) -- High-Power Electrochemical Storage Devices and Plug-in Hybrid Electric Vehicle Battery Development / Battery Development, Testing, Simulation, Analysis
- 8-47 Andrews, Eric (Cummins Inc.) -- On-Board Engine Exhaust Particulate Matter Sensor / High Efficiency Clean Combustion
- 16-18 Andrews, J. Barry (University of Alabama Birmingham) -- GATE Center for Advanced Lightweight Materials / Technology Integration/Education
- 16-27 Anstrom, Joel (Pennsylvania State University) -- GATE Center for In-Vehicle High Power Energy Storage Systems / Technology Integration/Education
- 12-70 Armstrong, B.L. (Oak Ridge National Laboratory) -- Power Electronics Materials Compatibility / Propulsion Materials
- 7-72 Assanis, Dennis (University of Michigan) -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 12-70 Ayers, C.W. (Oak Ridge National Laboratory) -- Power Electronics Materials Compatibility / Propulsion Materials
- 5-34 Ayers, Curt (Oak Ridge National Laboratory) -- Uncluttered Rotor PM Machine, Axially Excited Electro-Magnetics Synchronous Rotor Motor, Application of Concentrated Windings to Electric Motors, Amorphous Core Material Evaluation, and Magnetic Material for PM Motors / Advanced Power Electronics
- 7-72 Babajimopolous, Aris (University of Michigan) -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 13-3 Bailey, Brent (Health Effects Institute) -- Collaborative Emissions Study (ACES) / Health Impacts
- 5-22 Balachandran, Uthamalingam (Argonne National Laboratory) -- High-Temperature Capacitor R&D / Advanced Power Electronics
- 9-41 Balakotaiah, Vemuri (University of Houston) -- Kinetic and Performance Studies of the Regeneration Phase of Model PT/RH/Ba NOx Traps / Emission Control/Aftertreatment
- 4-8 Balsara, Nitash (Lawrence Berkeley National Laboratory) -- Block Copolymer Electrolytes for High-Energy Density Lithium Batteries / Exploratory Battery Research
- 3-28 Barnes, Jim (U.S. Navy) -- Interagency Agreement with Navy-Technology Assessment (NSWC) / Battery Development, Testing, Simulation, Analysis

- 10-39 Barone, Teresa (Oak Ridge National Laboratory) -- NPBF Effects and Enhancements on Engine Emission Control Technologies / Fuels Technologies
- 13-6 Barone, Teresa (Oak Ridge National Laboratory) -- Health Impacts Unregulated Emissions from Emerging Technologies / Health Impacts
- 4-25 Basak, Pratyay (Lawrence Berkeley National Laboratory) -- Interfacial Behavior of Electrolytes / Exploratory Battery Research
- 2-28 Basco, J. (Argonne National Laboratory) -- Gen 3 Cell Testing / Applied Battery Research
- 2-34 Basco, J. (Argonne National Laboratory) -- Life Validation Testing Protocol Development / Applied Battery Research
- 3-41 Basco, J. (Argonne National Laboratory) -- Testing USABC Deliverables/Benchmarking / Battery Development, Testing, Simulation, Analysis
- 2-31 Battaglia, Vince (Lawrence Berkeley National Laboratory) -- Life Validation Testing Protocol Development / Applied Battery Research
- 4-17 Battaglia, Vince (Lawrence Berkeley National Laboratory) -- Electrode Construction and Testing / Exploratory Battery Research
- 12-55 Battiste, R. (Oak Ridge National Laboratory) -- Materials for HCCI Engines / Propulsion Materials
- 4-25 Beer, Leanne (Lawrence Berkeley National Laboratory) -- Interfacial Behavior of Electrolytes / Exploratory Battery Research
- 6-7 Bell, Lon (BSST LLC Amerigon) -- Direct Energy Conversion from Waste Heat Recovery / Solid State Energy Conversion
- 3-34 Belt, Jeff (Idaho National Laboratory) -- Testing USABC (High-Power Energy Storage) Deliverables/Benchmarking / Battery Development, Testing, Simulation, Analysis
- 4-54 Benhammou, Dan (National Renewable Energy Laboratory) -- Nano-Structured Metal Oxide Films / Exploratory Battery Research
- 11-43 Berger, Libby (General Motors Corporation) -- Focal Project 4 Floor Pan / Lightweight Materials
- 15-6 Bergeron, Paul (National Renewable Energy Laboratory) -- Clean Cities-Core Program and Tools / Deployment
- 15-15 Bergeron, Paul (National Renewable Energy Laboratory) -- EPAct Data Collection and Management / Deployment
- 7-48 Bergin, Mike (University of Wisconsin) -- Light-Duty Combustion Modeling (UWI) / Combustion Research
- 12-32 Blau, Peter (Oak Ridge National Laboratory) -- Friction and Wear Reduction in Diesel Engine Valve Trains / Propulsion Materials



- 12-60 Blau, Peter (Oak Ridge National Laboratory) -- Materials for High-Pressure Fuel Injection Systems / Propulsion Materials
- 2-28 Bloom, Ira (Argonne National Laboratory) -- Gen 3 Cell Testing / Applied Battery Research
- 2-34 Bloom, Ira (Argonne National Laboratory) -- Life Validation Testing Protocol Development / Applied Battery Research
- 3-41 Bloom, Ira (Argonne National Laboratory) -- Testing USABC Deliverables/Benchmarking / Battery Development, Testing, Simulation, Analysis
- 14-32 Bocci, Dan (Argonne National Laboratory) -- HEV Cold Temperature Impact Testing / Vehicle Systems and Simulation
- 14-32 Bohn, Ted (Argonne National Laboratory) -- HEV Cold Temperature Impact Testing / Vehicle Systems and Simulation
- 14-65 Bohn, Ted (Argonne National Laboratory) -- Thru-the-Road PHEV and Ultracapacitor Integration / Vehicle Systems and Simulation
- 4-48 Borodin, Oleg (University of Utah) -- Molecular Dynamics Simulation Studies of Electrolytes and Electrolyte-Electrode Interfaces / Exploratory Battery Research
- 11-21 Botkin, Mark (General Motors Corporation) -- Crash Energy Management / Lightweight Materials
- 7-7 Briggs, Tom (Oak Ridge National Laboratory) -- Achieving/Demonstrating FreedomCAR/ACEC Efficiency Goal / Combustion Research
- 10-28 Buchholz, Bruce (Lawrence Livermore National Laboratory) -- LLNL APBF / Fuels Technologies
- 10-6 Bunting, Bruce (Oak Ridge National Laboratory) -- APBF Fuel Effects on Advanced Combustion Regimes / Fuels Technologies
- 10-23 Bunting, Bruce (Oak Ridge National Laboratory) -- Fuel & Lubricant Effects on Advanced Emission Ctls, Aging Mechanisms, & Rapid Aging Protocols / Fuels Technologies
- 10-37 Bunting, Bruce (Oak Ridge National Laboratory) -- NPBF Characteristics Effects on Advanced Combustion Engines / Fuels Technologies
- 12-55 Bunting, Bruce (Oak Ridge National Laboratory) -- Materials for HCCI Engines / Propulsion Materials
- 5-32 Burress, Tim (Oak Ridge National Laboratory) -- Technology Benchmarking / Advanced Power Electronics
- 14-4 Carlson, Barney (Argonne National Laboratory) -- Advanced Powertrain Research Facility Benchmarking / Vehicle Systems and Simulation
- 14-32 Carlson, Barney (Argonne National Laboratory) -- HEV Cold Temperature Impact Testing / Vehicle Systems and Simulation



- 11-18 Carpenter, Joe (U.S. Department of Energy) -- Cost Modeling / Lightweight Materials
- 7-39 Caton, Jerry (Texas A&M University) -- Improved Engine Design Concepts Using the Second Law of Thermodynamics / Combustion Research
- 4-62 Ceder, Gerbrand (Massachusetts Institute of Technology) -- Olivine and Layered Materials (Characterization, Rate Performance, and Stability) / Exploratory Battery Research
- 7-68 Chakravarthy, V. Kalyana (Oak Ridge National Laboratory) -- Stretch Efficiency --Thermodynamic Analysis of New Combustion Regimes / Combustion Research
- 11-36 Chao, Y.J. (University of South Carolina) -- Dynamic Characterization of Spot Welds in AHSS / Lightweight Materials
- 14-20 Chen, G. (Argonne National Laboratory) -- Erosion of Advanced Radiator Materials / Vehicle Systems and Simulation
- 14-38 Chen, G. (Argonne National Laboratory) -- Nano Fluids for Thermal Control Applications / Vehicle Systems and Simulation
- 9-50 Chen, Hai-Ying (Johnson Matthey) -- Mechanism of Sulfur Poisoning of NOx Adsorber Materials (CRADA with Cummins) / Emission Control/Aftertreatment
- 7-72 Chen, Jyh-Yuan (University of California Berkeley) -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 12-30 Chen, Yong-Ching (Cummins Inc.) -- Fatigue Enhancements by Shock Peening (Cummins) / Propulsion Materials
- 7-72 Cheng, Wai (Massachusetts Institute of Technology) -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 7-7 Cho, Kukwon (Oak Ridge National Laboratory) -- Achieving/Demonstrating FreedomCAR/ACEC Efficiency Goal / Combustion Research
- 10-37 Cho, Kukwon (Oak Ridge National Laboratory) -- NPBF Characteristics Effects on Advanced Combustion Engines / Fuels Technologies
- 9-16 Choi, Jae-Soon (Oak Ridge National Laboratory) -- CLEERS NOx Adsorber Kinetics and the Multi-Lab Diesel Emissions Reduction Activities / Emission Control/Aftertreatment
- 9-61 Choi, Jae-Soon (Oak Ridge National Laboratory) -- NOx Aftertreatment CRADA with Cummins / Emission Control/Aftertreatment
- 9-67 Choi, Jae-Soon (Oak Ridge National Laboratory) -- Pre-Competitive R&D on NOx Adsorber Mechanisms / Emission Control/Aftertreatment
- 2-28 Christopherson, Jon (Idaho National Laboratory) -- Gen 3 Cell Testing / Applied Battery Research

- 2-37 Christopherson, Jon (Idaho National Laboratory) -- Life Validation Testing Protocol Development / Applied Battery Research
- 3-11 Chu, Andy (A123Systems) -- High-Power Electrochemical Storage Devices and Plug-in Hybrid Electric Vehicle Battery Development / Battery Development, Testing, Simulation, Analysis
- 7-75 Ciatti, Steve (Argonne National Laboratory) -- Visualization of In-Cylinder Combustion R&D/ Combustion Research
- 10-34 Clark, Wendy (National Renewable Energy Laboratory) -- Non-Petroleum Based Fuels Intermediate Ethanol Blends / Fuels Technologies
- 7-48 Colban, Will (Sandia National Laboratories) -- Light-Duty Combustion Modeling (UWI) / Combustion Research
- 7-65 Confer, Keith (Delphi) -- Spark-Assisted HCCI Control / Combustion Research
- 10-11 Confer, Keith (Delphi) -- E85 Optimized Engine / Fuels Technologies
- 14-20 Cookson, D. (Argonne National Laboratory) -- Erosion of Advanced Radiator Materials / Vehicle Systems and Simulation
- 14-38 Cookson, D. (Argonne National Laboratory) -- Nano Fluids for Thermal Control Applications / Vehicle Systems and Simulation
- 13-3 Costantini, M. (Health Effects Institute) -- Collaborative Emissions Study (ACES) / Health Impacts
- 11-55 Cox, B. (Chrysler LLC) -- High-Integrity Magnesium Automotive Castings (HI-MAC) / Lightweight Materials
- 4-58 Creager, Stephen (Clemson University) -- New Lithium-based Ionic Liquid Electrolytes that Resist Salt Concentration Polarization / Exploratory Battery Research
- 9-37 Crocker, Mark (University of Kentucky) -- Investigation of Aging Mechanisms in Lean NOx Traps / Emission Control/Aftertreatment
- 4-21 Crowther, Owen (Columbia University) -- In Situ Observations of Lithium Dendrite Growth / Exploratory Battery Research
- 16-24 Cunningham, Joshua (University of California Davis) -- GATE Center for Fuel Cell Hydrogen Hybrid Vehicles / Technology Integration/Education
- 9-61 Cunningham, M (Cummins Inc.) -- NOx Aftertreatment CRADA with Cummins / Emission Control/Aftertreatment
- 9-50 Currier, Neal (Cummins Inc.) -- Mechanism of Sulfur Poisoning of NOx Adsorber Materials (CRADA with Cummins) / Emission Control/Aftertreatment
- 9-61 Currier, Neal (Cummins Inc.) -- NOx Aftertreatment CRADA with Cummins / Emission Control/Aftertreatment

- 11-14 Daniels, Ed (Argonne National Laboratory) -- Compatibilization/Compounding Evaluation of Recovered Polymers / Lightweight Materials
- 11-24 Daniels, Ed (Argonne National Laboratory) -- Develop a Web-Based Information System / Lightweight Materials
- 11-30 Daniels, Ed (Argonne National Laboratory) -- Development of Technology for Removal of PCBs / Lightweight Materials
- 11-113 Daniels, Ed (Argonne National Laboratory) -- Post-Shred Materials Recovery Technology Development and Demonstration / Lightweight Materials
- 11-39 Dasch, Cam (General Motors Corporation) -- Enhanced Resonance Inspection for Light-Metal Castings / Lightweight Materials
- 11-106 Dasch, Cam (General Motors Corporation) -- NDE Inspection of Adhesive bonds in Metal-Metal Joints / Lightweight Materials
- 10-28 Davisson, Lee (Lawrence Livermore National Laboratory) -- LLNL APBF / Fuels Technologies
- 7-65 Daw, Stuart (Oak Ridge National Laboratory) -- Spark-Assisted HCCI Control / Combustion Research
- 7-68 Daw, Stuart (Oak Ridge National Laboratory) -- Stretch Efficiency -- Thermodynamic Analysis of New Combustion Regimes / Combustion Research
- 9-28 Daw, Stuart (Oak Ridge National Laboratory) -- Coordination of Cross-Cut Lean Exhaust Emission Reduction Simulation (CLEERS) Project / Emission Control/Aftertreatment
- 10-39 Daw, Stuart (Oak Ridge National Laboratory) -- NPBF Effects and Enhancements on Engine Emission Control Technologies / Fuels Technologies
- 14-17 Daw, Stuart (Oak Ridge National Laboratory) -- Emissions Aftertreatment and Engine Cold-Starting Modeling / Vehicle Systems and Simulation
- 7-11 Dec, John (Sandia National Laboratories) -- Advanced HCCI Engine Combustion Fundamentals / Combustion Research
- 2-21 Dees, Dennis (Argonne National Laboratory) -- Gen 3 Cell Model / Applied Battery Research
- 2-55 Dees, Dennis (Argonne National Laboratory) -- Low-Temperature Performance: Performance Modeling / Applied Battery Research
- 2-66 Dees, Dennis (Argonne National Laboratory) -- Plug-in Hybrid Electric Vehicle R&D on High-Energy Materials / Applied Battery Research
- 4-58 DesMarteau, D (Clemson University) -- New Lithium-based Ionic Liquid Electrolytes that Resist Salt Concentration Polarization / Exploratory Battery Research

- 7-72 Dibble, Robert (University of California Berkeley) -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 4-54 Dillon, Anne (National Renewable Energy Laboratory) -- Nano-Structured Metal Oxide Films / Exploratory Battery Research
- 11-129 Dinda, Subi (Automotive Materials & Mfg Tech) -- Results of FY 2007 Automotive Lightweighting Materials Deep-Dive Peer Review / Lightweight Materials
- 5-22 Dirk, Shawn (Sandia National Laboratories) -- High-Temperature Capacitor R&D / Advanced Power Electronics
- 4-66 Doeff, Marca (Lawrence Berkeley National Laboratory) -- Olivines and Substituted Layered Materials / Exploratory Battery Research
- 4-32 Dudney, Nancy (Oak Ridge National Laboratory) -- Investigation of Metallic Lithium Anode and Graphite Current Collector for Advanced Batteries / Exploratory Battery Research
- 14-32 Duoba, Michael (Argonne National Laboratory) -- HEV Cold Temperature Impact Testing / Vehicle Systems and Simulation
- 14-56 Duoba, Michael (Argonne National Laboratory) -- PHEV Test Procedures / Vehicle Systems and Simulation
- 8-28 Durrett, Russ (General Motors Corporation) -- HECC Engine Designs for Spark-Ignition and Compression-Ignition Engines / High Efficiency Clean Combustion
- 10-6 Eaton, Scott (Oak Ridge National Laboratory) -- APBF Fuel Effects on Advanced Combustion Regimes / Fuels Technologies
- 10-23 Eaton, Scott (Oak Ridge National Laboratory) -- Fuel & Lubricant Effects on Advanced Emission Ctls, Aging Mechanisms, & Rapid Aging Protocols / Fuels Technologies
- 10-37 Eaton, Scott (Oak Ridge National Laboratory) -- NPBF Characteristics Effects on Advanced Combustion Engines / Fuels Technologies
- 7-24 Edman, Jonas (Lawrence Livermore National Laboratory) -- HCCI Engine Research and Modeling / Combustion Research
- 7-72 Edwards, Chris (Stanford University) -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 7-7 Edwards, Dean (Oak Ridge National Laboratory) -- Achieving/Demonstrating FreedomCAR/ACEC Efficiency Goal / Combustion Research
- 7-65 Edwards, Dean (Oak Ridge National Laboratory) -- Spark-Assisted HCCI Control / Combustion Research
- 10-17 Edwards, Dean (Oak Ridge National Laboratory) -- Enhanced Ethanol Engine and Vehicle Efficiency / Fuels Technologies



- 10-37 Edwards, Dean (Oak Ridge National Laboratory) -- NPBF Characteristics Effects on Advanced Combustion Engines / Fuels Technologies
- 10-20 Egolfopolous, Fokion (University of Southern California) -- Experimental and Modeling Studies of the Characteristics of Liquid Biofuels for Enhanced Combustion / Fuels Technologies
- 7-48 Ekoto, Isaac (Sandia National Laboratories) -- Light-Duty Combustion Modeling (UWI) / Combustion Research
- 7-20 El-Hannouny, Essam (Argonne National Laboratory) -- Fuel Spray Research Using Advanced Photon Source / Combustion Research
- 16-21 Ellis, Mike (Virginia Tech) -- GATE Center for Automotive Fuel Cell Systems / Technology Integration/Education
- 5-27 El-Refaie, Ayman (General Electric) -- Scalable, Low-Cost, High-Performance IPM Motor / Advanced Power Electronics
- 12-82 Erdemir, Ali (Argonne National Laboratory) -- Super Hard Coating Systems / Propulsion Materials
- 16-24 Erickson, Paul (University of California Davis) -- GATE Center for Fuel Cell Hydrogen Hybrid Vehicles / Technology Integration/Education
- 7-54 Farrell, P. (University of Wisconsin) -- Optimizing Low-Temperature Diesel Combustion / Combustion Research
- 11-11 Feng, Zhili (Oak Ridge National Laboratory) -- Characterization of Thermomechanical Behavior of TRIP Steels / Lightweight Materials
- 11-36 Feng, Zhili (Oak Ridge National Laboratory) -- Dynamic Characterization of Spot Welds in AHSS / Lightweight Materials
- 12-27 Fenske, George (Argonne National Laboratory) -- Fabrication of Small Diesel Fuel Injector Orifices / Propulsion Materials
- 14-47 Fenske, George (Argonne National Laboratory) -- Parasitic Energy Losses / Vehicle Systems and Simulation
- 7-72 Filipi, Zoran (University of Michigan) -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 7-65 Finney, Charles E.A. (Oak Ridge National Laboratory) -- Spark-Assisted HCCI Control / Combustion Research
- 7-24 Flowers, Dan (Lawrence Livermore National Laboratory) -- HCCI Engine Research and Modeling / Combustion Research
- 10-28 Flowers, Dan (Lawrence Livermore National Laboratory) -- LLNL APBF / Fuels Technologies

- 10-23 Foster, Adam (University of Tennessee) -- Fuel & Lubricant Effects on Advanced Emission Ctls, Aging Mechanisms, & Rapid Aging Protocols / Fuels Technologies
- 7-54 Foster, David (University of Wisconsin) -- Optimizing Low-Temperature Diesel Combustion / Combustion Research
- 14-41 Francfort, Jim (Idaho National Laboratory) -- Non-PHEV Evaluations and Data Collection / Vehicle Systems and Simulation
- 14-54 Francfort, Jim (Idaho National Laboratory) -- PHEV Evaluation and Data Collection / Vehicle Systems and Simulation
- 8-31 Frazier, Tim (Cummins Inc.) -- Light-Duty Efficient Clean Combustion / High Efficiency Clean Combustion
- 9-34 Gallant, Tom (Pacific Northwest National Laboratory) -- Diesel Soot Filter Characterization and Modeling for Advanced Substrates (CRADA with DOW Automotive) / Emission Control/Aftertreatment
- 10-51 Gallant, Tom (Pacific Northwest National Laboratory) -- Unconventional Hydrocarbon Fuels / Fuels Technologies
- 12-10 Gallego, Nidia (Oak Ridge National Laboratory) -- Carbon Foam Thermal Management / Propulsion Materials
- 8-47 Garimella, Phanindra (Cummins Inc.) -- On-Board Engine Exhaust Particulate Matter Sensor / High Efficiency Clean Combustion
- 7-72 Gerdes, Chris (Stanford University) -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 2-8 Gering, Kevin (Idaho National Laboratory) -- Advanced Chemistry: Electrolyte Modeling / Applied Battery Research
- 2-73 Gering, Kevin (Idaho National Laboratory) -- Statistical DOE at INL / Applied Battery Research
- 7-54 Ghandhi, J. (University of Wisconsin) -- Optimizing Low-Temperature Diesel Combustion / Combustion Research
- 4-54 Gillaspie, Dane (National Renewable Energy Laboratory) -- Nano-Structured Metal Oxide Films / Exploratory Battery Research
- 12-68 Glass, Robert (Lawrence Livermore National Laboratory) -- NOx Sensor Development / Propulsion Materials
- 8-28 Gonzalez, Manuel (General Motors Corporation) -- HECC Engine Designs for Spark-Ignition and Compression-Ignition Engines / High Efficiency Clean Combustion
- 5-13 Goodarzi, Abas (US Hybrid Corporation) -- Bi-Directional DC-DC Converter / Advanced Power Electronics



- 4-77 Goodenough, J. (University of Texas at Austin) -- Performance Enhancement of Cathodes with Conductive Polymers / Exploratory Battery Research
- 11-46 Grant, Glenn (Pacific Northwest National Laboratory) -- Friction Stir-Spot Welding of AHSS / Lightweight Materials
- 12-57 Grant, Glenn (Pacific Northwest National Laboratory) -- Materials for HECC/HCCI Engine Components (Caterpillar) / Propulsion Materials
- 7-68 Graves, Ron (Oak Ridge National Laboratory) -- Stretch Efficiency -- Thermodynamic Analysis of New Combustion Regimes / Combustion Research
- 10-34 Graves, Ron (Oak Ridge National Laboratory) -- Non-Petroleum Based Fuels Intermediate Ethanol Blends / Fuels Technologies
- 12-25 Graves, Ron (Oak Ridge National Laboratory) -- Evaluation of Combustion characteristics and Materials via ACERT Engine (Caterpillar) / Propulsion Materials
- 7-68 Green Jr., Johney B. (Oak Ridge National Laboratory) -- Stretch Efficiency -- Thermodynamic Analysis of New Combustion Regimes / Combustion Research
- 7-65 Green, Jr., Johney B. (Oak Ridge National Laboratory) -- Spark-Assisted HCCI Control / Combustion Research
- 13-3 Greenbaum, Dan (Health Effects Institute) -- Collaborative Emissions Study (ACES) / Health Impacts
- 4-62 Grey, Clare (Stony Brook University) -- Olivine and Layered Materials (Characterization, Rate Performance, and Stability) / Exploratory Battery Research
- 12-87 Gruen, Dieter (Argonne National Laboratory) -- Thermoelectrics Materials by Design, Diamond-Based Thermoelectric materials / Propulsion Materials
- 16-12 Guezennec, Yann (Ohio State University) -- GATE Center for Advanced Automotive Propulsion / Technology Integration/Education
- 8-51 Gutterman, Jeff (Delphi Automotive Systems) -- Variable Valve Actuation / High Efficiency Clean Combustion
- 3-8 Habab, Ahsan (USABC) -- High-Power Electrochemical Storage Devices and Plug-in Hybrid Electric Vehicle Battery Development / Battery Development, Testing, Simulation, Analysis
- 8-43 Habibzadeh, Bahman (Mack Trucks Inc.) -- Narrow-Band Engine and a CVT to Optimize Performance / High Efficiency Clean Combustion
- 7-7 Hale, Richard (Oak Ridge National Laboratory) -- Achieving/Demonstrating FreedomCAR/ACEC Efficiency Goal / Combustion Research
- 8-47 Hall, Matt (University of Texas at Austin) -- On-Board Engine Exhaust Particulate Matter Sensor / High Efficiency Clean Combustion
- 15-21 Hamilton, Jill (National Biodiesel Board) -- NBB Terminal Blending / Deployment

- 10-37 Han, Manbae (Oak Ridge National Laboratory) -- NPBF Characteristics Effects on Advanced Combustion Engines / Fuels Technologies
- 16-9 Hansen, Alan (University of Illinois Urbana Champaign) -- GATE Center for Advanced Automotive Biofuels / Technology Integration/Education
- 7-14 Hanson, Ron (Stanford University) -- Automotive HCCI Engine Research / Combustion Research
- 4-100 Harb, J.N. (Brigham Young University) -- The Impact of Electrode Structure on the Processes that Limit Cathode Performance / Exploratory Battery Research
- 9-41 Harold, Mike (University of Houston) -- Kinetic and Performance Studies of the Regeneration Phase of Model PT/RH/Ba NOx Traps / Emission Control/Aftertreatment
- 8-28 He, Xin (General Motors Corporation) -- HECC Engine Designs for Spark-Ignition and Compression-Ignition Engines / High Efficiency Clean Combustion
- 11-49 Heimbuch, Roger (Auto Steel Partnership) -- Future Generation Passenger Compartment Validation / Lightweight Materials
- 11-52 Heimbuch, Roger (Auto Steel Partnership) -- High Strength Stamping / Lightweight Materials
- 11-81 Heimbuch, Roger (Auto Steel Partnership) -- Lightweight Rear Chassis Structures / Lightweight Materials
- 11-131 Heimbuch, Roger (Auto Steel Partnership) -- Sheet Steel Joining / Lightweight Materials
- 11-137 Heimbuch, Roger (Auto Steel Partnership) -- Tribology / Lightweight Materials
- 6-11 Hendricks, Terry (Pacific Northwest National Laboratory) -- Thermoelectric Analytical Support / Solid State Energy Conversion
- 2-24 Henriksen, Gary (Argonne National Laboratory) -- Gen 3 Cell Status / Applied Battery Research
- 2-63 Henriksen, Gary (Argonne National Laboratory) -- Overview: Applied Battery Research / Applied Battery Research
- 7-17 Herbinet, Olivier (Lawrence Livermore National Laboratory) -- Chemical Kinetic Research on HCCI and Diesel Fuels / Combustion Research
- 10-28 Herbinet, Olivier (Lawrence Livermore National Laboratory) -- LLNL APBF / Fuels Technologies
- 9-34 Herling, Darrell (Pacific Northwest National Laboratory) -- Diesel Soot Filter Characterization and Modeling for Advanced Substrates (CRADA with DOW Automotive) / Emission Control/Aftertreatment
- 9-64 Herling, Darrell (Pacific Northwest National Laboratory) -- PNNL CLEERS Activities -Overview / Emission Control/Aftertreatment

- 9-50 Hess, Howard (Johnson Matthey) -- Mechanism of Sulfur Poisoning of NOx Adsorber Materials (CRADA with Cummins) / Emission Control/Aftertreatment
- 7-24 Hessel, Randy (University of Wisconsin) -- HCCI Engine Research and Modeling / Combustion Research
- 11-103 Holbery, Jim (Pacific Northwest National Laboratory) -- Natural Fiber Composite Retting, Preform Manufacturing, and Molding / Lightweight Materials
- 12-37 Holbery, Jim (Pacific Northwest National Laboratory) -- Hydrogen Compatible Materials / Propulsion Materials
- 11-46 Hovanski, Yuri (Pacific Northwest National Laboratory) -- Friction Stir-Spot Welding of AHSS / Lightweight Materials
- 12-40 Hsu, Stephen (National Energy Technology Laboratory) -- IEA Annex on Materials For Transportation / Propulsion Materials
- 8-7 Huang, Jim (Westport Innovations) -- Development of a Robust Accelerometer- Based Start of Combustion-Sensing System / High Efficiency Clean Combustion
- 4-77 Huang, Y-H (University of Texas at Austin) -- Performance Enhancement of Cathodes with Conductive Polymers / Exploratory Battery Research
- 9-25 Huff, Shean (Oak Ridge National Laboratory) -- Controlling NOx from Multi-Mode Lean DI Engines / Emission Control/Aftertreatment
- 10-17 Huff, Shean (Oak Ridge National Laboratory) -- Enhanced Ethanol Engine and Vehicle Efficiency / Fuels Technologies
- 10-34 Huff, Shean (Oak Ridge National Laboratory) -- Non-Petroleum Based Fuels Intermediate Ethanol Blends / Fuels Technologies
- 7-11 Hwang, Wontae (Sandia National Laboratories) -- Advanced HCCI Engine Combustion Fundamentals / Combustion Research
- 7-72 Im, Hong (University of Michigan) -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 16-15 Irick, David (University of Tennessee Knoxville) -- GATE Center for Advanced Hybrid Propulsion and Control Systems / Technology Integration/Education
- 2-48 Jansen, Andrew (Argonne National Laboratory) -- Low-Cost Components: Screening of Advanced Battery Materials / Applied Battery Research
- 2-51 Jansen, Andrew (Argonne National Laboratory) -- Low-Temperature Performance Characterization / Applied Battery Research
- 11-43 Jaranson, John (Ford Motor Company) -- Focal Project 4 Floor Pan / Lightweight Materials
- 16-3 Jehlik, Forrest (Argonne National Laboratory) -- Advanced Vehicle Competitions / Technology Integration/Education



- 12-49 Jensen, Jeff (Caterpillar Inc.) -- Lightweight Valve Train Materials (Titanium) / Propulsion Materials
- 11-24 Jody, Sam (Argonne National Laboratory) -- Develop a Web-Based Information System / Lightweight Materials
- 11-30 Jody, Sam (Argonne National Laboratory) -- Development of Technology for Removal of PCBs / Lightweight Materials
- 6-7 John LaGrandeur (BSST LLC Amerigon) -- Direct Energy Conversion from Waste Heat Recovery / Solid State Energy Conversion
- 5-27 Johnson, Frank (General Electric) -- Scalable, Low-Cost, High-Performance IPM Motor / Advanced Power Electronics
- 11-39 Jones, Martin H. (Ford Motor Company) -- Enhanced Resonance Inspection for Light-Metal Castings / Lightweight Materials
- 7-57 Kaiser, Sebastian (Sandia National Laboratories) -- Sandia Hydrogen Combustion Research / Combustion Research
- 9-61 Kamasamudram, K. (Cummins Inc.) -- NOx Aftertreatment CRADA with Cummins / Emission Control/Aftertreatment
- 14-52 Karbowski, Dominik (Argonne National Laboratory) -- PHEV Control Impact and Optimization / Vehicle Systems and Simulation
- 9-25 Kass, Mike (Oak Ridge National Laboratory) -- Controlling NOx from Multi-Mode Lean DI Engines / Emission Control/Aftertreatment
- 7-20 Kastengren, Alan (Argonne National Laboratory) -- Fuel Spray Research Using Advanced Photon Source / Combustion Research
- 5-10 Kelly, Ken (National Renewable Energy Laboratory) -- Advanced Thermal Interface Materials, Characterization & Dev. of Advanced Heat Transfer Technologies / Advanced Power Electronics
- 4-32 Kercher, Andrew (Oak Ridge National Laboratory) -- Investigation of Metallic Lithium Anode and Graphite Current Collector for Advanced Batteries / Exploratory Battery Research
- 4-25 Kerr, John (Lawrence Berkeley National Laboratory) -- Interfacial Behavior of Electrolytes / Exploratory Battery Research
- 4-32 Kiggans, Jim (Oak Ridge National Laboratory) -- Investigation of Metallic Lithium Anode and Graphite Current Collector for Advanced Batteries / Exploratory Battery Research
- 14-23 Killian, Mike (Eaton Corporation) -- Friction & Wear / Vehicle Systems and Simulation
- 7-24 Killingsworth, Nick (Lawrence Livermore National Laboratory) -- HCCI Engine Research and Modeling / Combustion Research



- 10-28 Killingsworth, Nick (Lawrence Livermore National Laboratory) -- LLNL APBF / Fuels Technologies
- 9-50 Kim, Do Heui (Pacific Northwest National Laboratory) -- Mechanism of Sulfur Poisoning of NOx Adsorber Materials (CRADA with Cummins) / Emission Control/Aftertreatment
- 7-48 Kim, Duksang (Kookmin University) -- Light-Duty Combustion Modeling (UWI) / Combustion Research
- 4-54 Kim, Yong-Hyun (National Renewable Energy Laboratory) -- Nano-Structured Metal Oxide Films / Exploratory Battery Research
- 9-4 King, Dave (Pacific Northwest National Laboratory) -- Advanced Combustion Engine Low-Temperature CO and HC Oxidation (CRADA with Caterpillar) / Emission Control/Aftertreatment
- 12-77 Kircher, Andrew (Oak Ridge National Laboratory) -- Solder Joints of Power Electronics / Propulsion Materials
- 12-20 Klepser, Cheryl (Cummins Inc.) -- Durability of Diesel Engine Particulate Filters / Propulsion Materials
- 10-34 Knoll, Keith (National Renewable Energy Laboratory) -- Non-Petroleum Based Fuels Intermediate Ethanol Blends / Fuels Technologies
- 7-42 Kong, Song-Charng (Iowa State University) -- KIVA Modeling to Support Diesel Combustion Research / Combustion Research
- 2-18 Kostecki, Robert (Lawrence Berkeley National Laboratory) -- Diagnostics at LBNL / Applied Battery Research
- 4-4 Kostecki, Robert (Lawrence Berkeley National Laboratory) -- 3-D Nanostructured Carbon-Tin Composite Anodes / Exploratory Battery Research
- 13-6 Kranendonk, Laura (Oak Ridge National Laboratory) -- Health Impacts Unregulated Emissions from Emerging Technologies / Health Impacts
- 8-19 Kruiswyk, Rick (Caterpillar Inc.) -- Engine System Approach to Exhaust Energy Recovery / High Efficiency Clean Combustion
- 11-120 Kunc, V. (Oak Ridge National Laboratory) -- Predictive Modeling of Polymer Composites / Lightweight Materials
- 14-50 Kwon, J. (Argonne National Laboratory) -- PHEV Component Sizing / Vehicle Systems and Simulation
- 16-9 Kyritsis, Dimitrios (University of Illinois Urbana Champaign) -- GATE Center for Advanced Automotive Biofuels / Technology Integration/Education
- 5-29 Lai, Jason (Virginia Tech) -- Soft Switching Inverter for Reducing Switching and Power Losses / Advanced Power Electronics

- 10-39 Lance, Michael (Oak Ridge National Laboratory) -- NPBF Effects and Enhancements on Engine Emission Control Technologies / Fuels Technologies
- 12-20 Lara-Curzio, Edgar (Oak Ridge National Laboratory) -- Durability of Diesel Engine Particulate Filters / Propulsion Materials
- 12-35 Lara-Curzio, Edgar (Oak Ridge National Laboratory) -- High-Temperature Materials Laboratory / Propulsion Materials
- 9-21 Larson, Richard (Sandia National Laboratories) -- CLEERS: Benchmark Kinetics for NOx Adsorbers and Catalyzed DPF / Emission Control/Aftertreatment
- 11-83 Lavender, Curt (Pacific Northwest National Laboratory) -- Low Cost Titanium / Lightweight Materials
- 7-72 Lavoie, George (University of Michigan) -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 10-34 Lawson, Doug (National Renewable Energy Laboratory) -- Non-Petroleum Based Fuels Intermediate Ethanol Blends / Fuels Technologies
- 13-9 Lawson, Doug (National Renewable Energy Laboratory) -- Health Impacts Research / Health Impacts
- 16-9 Lee, Chia-Fon (University of Illinois Urbana Champaign) -- GATE Center for Advanced Automotive Biofuels / Technology Integration/Education
- 9-7 Lee, Kyeong (Argonne National Laboratory) -- Advanced Diesel Particulate Filter (DPF) Research / Emission Control/Aftertreatment
- 4-54 Lee, Se-Hee (University of Colorado, Boulder) -- Nano-Structured Metal Oxide Films / Exploratory Battery Research
- 10-6 Lewis, Sam (Oak Ridge National Laboratory) -- APBF Fuel Effects on Advanced Combustion Regimes / Fuels Technologies
- 10-37 Lewis, Sam (Oak Ridge National Laboratory) -- NPBF Characteristics Effects on Advanced Combustion Engines / Fuels Technologies
- 10-39 Lewis, Sam (Oak Ridge National Laboratory) -- NPBF Effects and Enhancements on Engine Emission Control Technologies / Fuels Technologies
- 13-6 Lewis, Sam (Oak Ridge National Laboratory) -- Health Impacts Unregulated Emissions from Emerging Technologies / Health Impacts
- 9-50 Li, Junhui (Cummins Inc.) -- Mechanism of Sulfur Poisoning of NOx Adsorber Materials (CRADA with Cummins) / Emission Control/Aftertreatment
- 9-4 Li, Liyu (Pacific Northwest National Laboratory) -- Advanced Combustion Engine Low-Temperature CO and HC Oxidation (CRADA with Caterpillar) / Emission Control/Aftertreatment

- 12-49 Lin, H.T. (Oak Ridge National Laboratory) -- Lightweight Valve Train Materials (Titanium) / Propulsion Materials
- 12-63 Lin, H.T. (Oak Ridge National Laboratory) -- Mechanical Reliability of Piezo-Stack Actuators / Propulsion Materials
- 2-48 Liu, Jun (Argonne National Laboratory) -- Low-Cost Components: Screening of Advanced Battery Materials / Applied Battery Research
- 11-100 Logan, Steve (Chrysler LLC) -- Multi-Material Vehicle / Lightweight Materials
- 14-29 Lohse-Busch, Henning (Argonne National Laboratory) -- Hardware-in-the-Loop Mobile Advanced Technology Testbed / Vehicle Systems and Simulation
- 7-20 Longman, Doug (Argonne National Laboratory) -- Fuel Spray Research Using Advanced Photon Source / Combustion Research
- 11-90 Luo, Alan (General Motors Corporation) -- Magnesium Front-End R&D / Lightweight Materials
- 11-140 Maj, Michael (Ford Motor Company) -- Ultra-Large Casting Demonstrations / Lightweight Materials
- 9-4 Male, Jonathan (Pacific Northwest National Laboratory) -- Advanced Combustion Engine Low-Temperature CO and HC Oxidation (CRADA with Caterpillar) / Emission Control/Aftertreatment
- 9-70 Male, Jonathan (Pacific Northwest National Laboratory) -- Urea SCR Fundamentals / Emission Control/Aftertreatment
- 16-30 Mallick, P.K. (University of Michigan Dearborn) -- GATE Center for Lightweighting Automotive Materials and Processing / Technology Integration/Education
- 4-89 Manthiram, Arumugam (University of Texas at Austin) -- Stabilized Spinels and Nano Olivines / Exploratory Battery Research
- 14-62 Markel, Tony (National Renewable Energy Laboratory) -- Thermoelectric Analysis, Integrated Vehicle Thermal Management Systems Analysis/Modeling / Vehicle Systems and Simulation
- 5-15 Marlino, Laura (Oak Ridge National Laboratory) -- Current Source Inverter / Advanced Power Electronics
- 5-34 Marlino, Laura (Oak Ridge National Laboratory) -- Uncluttered Rotor PM Machine, Axially Excited Electro-Magnetics Synchronous Rotor Motor, Application of Concentrated Windings to Electric Motors, Amorphous Core Material Evaluation, and Magnetic Material for PM Motors / Advanced Power Electronics
- 5-37 Marlino, Laura (Oak Ridge National Laboratory) -- Utilizing the Traction Drive PE System to Provide Plug-In Capability for HEVs / Advanced Power Electronics

- 12-68 Martin, Peter (Lawrence Livermore National Laboratory) -- NOx Sensor Development / Propulsion Materials
- 8-47 Matthews, Ron (University of Texas at Austin) -- On-Board Engine Exhaust Particulate Matter Sensor / High Efficiency Clean Combustion
- 12-5 Maziasz, Phil (Oak Ridge National Laboratory) -- Austenitic Stainless Steel Alloys of Exhaust Components / Propulsion Materials
- 12-52 Maziasz, Phil (Oak Ridge National Laboratory) -- Materials for Advanced Engine Valve Train / Propulsion Materials
- 5-13 Mazumder, Sudip (University of Illinois Chicago) -- Bi-Directional DC-DC Converter / Advanced Power Electronics
- 11-33 McCarty, Eric (Chrysler LLC) -- Die-Face Engineering Project for Advanced Sheet-Forming Materials / Lightweight Materials
- 11-55 McCarty, Eric (Chrysler LLC) -- High-Integrity Magnesium Automotive Castings (HI-MAC) / Lightweight Materials
- 11-62 McCarty, Eric (Chrysler LLC) -- Improved Automotive Suspension Components Cast with B206 Alloy / Lightweight Materials
- 11-86 McCarty, Eric (Chrysler LLC) -- Magnesium Front-End Design and Demonstration / Lightweight Materials
- 11-90 McCarty, Eric (Chrysler LLC) -- Magnesium Front-End R&D / Lightweight Materials
- 11-94 McCarty, Eric (Chrysler LLC) -- Magnesium Powertrain Cast Components / Lightweight Materials
- 11-100 McCarty, Eric (Chrysler LLC) -- Multi-Material Vehicle / Lightweight Materials
- 11-117 McCarty, Eric (Chrysler LLC) -- Powder Metal Performance Modeling of Automotive Components / Lightweight Materials
- 11-140 McCarty, Eric (Chrysler LLC) -- Ultra-Large Casting Demonstrations / Lightweight Materials
- 11-143 McCarty, Eric (Chrysler LLC) -- Warm-Forming Magnesium Sheet / Lightweight Materials
- 10-42 McCormick, Robert (National Renewable Energy Laboratory) -- NPBF Quality, Stability, Performance, and Emission Impacts of Biodiesel Blends / Fuels Technologies
- 5-34 McKeever, John (Oak Ridge National Laboratory) -- Uncluttered Rotor PM Machine, Axially Excited Electro-Magnetics Synchronous Rotor Motor, Application of Concentrated Windings to Electric Motors, Amorphous Core Material Evaluation, and Magnetic Material for PM Motors / Advanced Power Electronics
- 2-18 McLarnon, Frank (Lawrence Berkeley National Laboratory) -- Diagnostics at LBNL / Applied Battery Research

- 10-20 Meeks, Ellen (Reaction Design) -- Experimental and Modeling Studies of the Characteristics of Liquid Biofuels for Enhanced Combustion / Fuels Technologies
- 11-33 Mehta, Manish (TRC/NCMS) -- Die-Face Engineering Project for Advanced Sheet-Forming Materials / Lightweight Materials
- 8-35 Mendler, Charles (Envera LLC) -- Low-Cost, Fast Response Actuator / High Efficiency Clean Combustion
- 8-11 Milam, David (Caterpillar, Inc) -- Development of Enabling Technologies for High-Efficiency, Low-Emissions HCCI Engines / High Efficiency Clean Combustion
- 7-48 Miles, Paul (Sandia National Laboratories) -- Light-Duty Combustion Modeling (UWI) / Combustion Research
- 7-61 Miles, Paul (Sandia National Laboratories) -- Small Bore Advanced Combustion Engine R&D / Combustion Research
- 15-3 Milewski, Kay (National Energy Technology Laboratory) -- Clean Cities Coalition Regional Support / Deployment
- 10-20 Modak, Abhijit (Reaction Design) -- Experimental and Modeling Studies of the Characteristics of Liquid Biofuels for Enhanced Combustion / Fuels Technologies
- 11-106 Moore, David (Sandia National Laboratories) -- NDE Inspection of Adhesive bonds in Metal-Metal Joints / Lightweight Materials
- 12-15 Moses-DeBusk, M. (Oak Ridge National Laboratory) -- Catalysts via First Principles / Propulsion Materials
- 10-25 Mueller, Chuck (Sandia National Laboratories) -- Fuel Effects on Advanced Combustion / Fuels Technologies
- 9-50 Muntean, George (Pacific Northwest National Laboratory) -- Mechanism of Sulfur Poisoning of NOx Adsorber Materials (CRADA with Cummins) / Emission Control/Aftertreatment
- 12-55 Muralidharan, G. (Oak Ridge National Laboratory) -- Materials for HCCI Engines / Propulsion Materials
- 12-77 Muralidharan, G. (Oak Ridge National Laboratory) -- Solder Joints of Power Electronics / Propulsion Materials
- 3-34 Murphy, Tim (Idaho National Laboratory) -- Testing USABC (High-Power Energy Storage) Deliverables/Benchmarking / Battery Development, Testing, Simulation, Analysis
- 3-38 Murphy, Tim (Idaho National Laboratory) -- Testing USABC (PHEV Battery Development) Deliverables/Benchmarking / Battery Development, Testing, Simulation, Analysis
- 7-27 Musculus, Mark (Sandia National Laboratories) -- Heavy-Duty Combustion Modeling / Combustion Research

- 7-30 Musculus, Mark (Sandia National Laboratories) -- Heavy-Duty, Low-Temperature, and Diesel Combustion Research / Combustion Research
- 16-6 N/A (N/A) -- GATE Awards / Technology Integration/Education
- 10-20 Naik, Chitral (Reaction Design) -- Experimental and Modeling Studies of the Characteristics of Liquid Biofuels for Enhanced Combustion / Fuels Technologies
- 12-15 Narula, C.K. (Oak Ridge National Laboratory) -- Catalysts via First Principles / Propulsion Materials
- 8-22 Nelson, Chris (Cummins Inc.) -- Exhaust Energy Recovery / High Efficiency Clean Combustion
- 16-21 Nelson, Doug (Virginia Tech) -- GATE Center for Automotive Fuel Cell Systems / Technology Integration/Education
- 4-14 Newman, John (University of California at Berkeley) -- Design of PHEVs and Electrolyte Properties / Exploratory Battery Research
- 4-36 Newman, John (Lawrence Berkeley National Laboratory) -- Kinetics of Lithium Insertion into Silicon Anodes / Exploratory Battery Research
- 11-120 Nguyen, B.N. (Pacific Northwest National Laboratory) -- Predictive Modeling of Polymer Composites / Lightweight Materials
- 10-23 Nguyen, Ke (University of Tennessee) -- Fuel & Lubricant Effects on Advanced Emission Ctls, Aging Mechanisms, & Rapid Aging Protocols / Fuels Technologies
- 11-97 Nyberg, Eric (Pacific Northwest National Laboratory) -- Magnesium Research and Technology Development / Lightweight Materials
- 7-45 Oefelein, Joe (Sandia National Laboratories) -- LES Applied To LTC/Diesel/Hydrogen Combustion / Combustion Research
- 8-39 Ojeda, Willy (Navistar Inc.) -- Low-Temperature Combustion Demonstrator for High-Efficiency Clean Combustion / High Efficiency Clean Combustion
- 11-21 Olszewski, Gerry (Chrysler LLC) -- Crash Energy Management / Lightweight Materials
- 11-43 Olszewski, Gerry (Chrysler LLC) -- Focal Project 4 Floor Pan / Lightweight Materials
- 11-59 Olszewski, Gerry (Chrysler LLC) -- High-Volume Processing of Composites / Lightweight Materials
- 11-110 Olszewski, Gerry (Chrysler LLC) -- P4 Preform / Lightweight Materials
- 5-19 Olszewski, Mitch (Oak Ridge National Laboratory) -- Direct-Cooled Power Electronics Substrate / Advanced Power Electronics
- 5-32 Olszewski, Mitch (Oak Ridge National Laboratory) -- Technology Benchmarking / Advanced Power Electronics



- 3-18 Ota, Naoki (Enerdel) -- High-Power Electrochemical Storage Devices and Plug-in Hybrid Electric Vehicle Battery Development / Battery Development, Testing, Simulation, Analysis
- 10-23 Ottinger, Nathan (University of Tennessee) -- Fuel & Lubricant Effects on Advanced Emission Ctls, Aging Mechanisms, & Rapid Aging Protocols / Fuels Technologies
- 5-4 Ozpineci, Burak (Oak Ridge National Laboratory) -- Active Filter Approach to the Reduction of the DC Link Capacitor / Advanced Power Electronics
- 5-6 Ozpineci, Burak (Oak Ridge National Laboratory) -- Advanced Converter Systems for High-Temperature HEV Environments / Advanced Power Electronics
- 5-39 Ozpineci, Burak (Oak Ridge National Laboratory) -- Wide Bandgap Materials / Advanced Power Electronics
- 12-77 Ozpineci, Burak (Oak Ridge National Laboratory) -- Solder Joints of Power Electronics / Propulsion Materials
- 14-25 Pagerit, Sylvain (Argonne National Laboratory) -- GM Cooperative Research and Development Agreement / Vehicle Systems and Simulation
- 14-27 Pagerit, Sylvain (Argonne National Laboratory) -- Government Performance and Results Act and Multipath / Vehicle Systems and Simulation
- 14-50 Pagerit, Sylvain (Argonne National Laboratory) -- PHEV Component Sizing / Vehicle Systems and Simulation
- 14-52 Pagerit, Sylvain (Argonne National Laboratory) -- PHEV Control Impact and Optimization / Vehicle Systems and Simulation
- 4-32 Park, Sea Hoon (Oak Ridge National Laboratory) -- Investigation of Metallic Lithium Anode and Graphite Current Collector for Advanced Batteries / Exploratory Battery Research
- 7-48 Park, Sung Wook (University of Wisconsin) -- Light-Duty Combustion Modeling (UWI) / Combustion Research
- 9-25 Parks, Jim (Oak Ridge National Laboratory) -- Controlling NOx from Multi-Mode Lean DI Engines / Emission Control/Aftertreatment
- 9-45 Parks, Jim (Oak Ridge National Laboratory) -- Measurement and Characterization of Lean NOx Adsorber Regeneration and Desulfation / Emission Control/Aftertreatment
- 9-61 Parks, Jim (Oak Ridge National Laboratory) -- NOx Aftertreatment CRADA with Cummins / Emission Control/Aftertreatment
- 13-6 Parks, Jim (Oak Ridge National Laboratory) -- Health Impacts Unregulated Emissions from Emerging Technologies / Health Impacts
- 9-61 Partridge, Bill (Oak Ridge National Laboratory) -- NOx Aftertreatment CRADA with Cummins / Emission Control/Aftertreatment

- 8-28 Patton, Ken (General Motors Corporation) -- HECC Engine Designs for Spark-Ignition and Compression-Ignition Engines / High Efficiency Clean Combustion
- 12-70 Pawel, S.J. (Oak Ridge National Laboratory) -- Power Electronics Materials Compatibility / **Propulsion Materials**
- 12-30 Paxton, Dean (Pacific Northwest National Laboratory) -- Fatigue Enhancements by Shock Peening (Cummins) / Propulsion Materials
- Peden, Charles (Pacific Northwest National Laboratory) -- Characterization of Aging 9-10 Mechanisms in Advanced Catalysts for SCR of NOx with Urea / Emission Control/Aftertreatment
- 9-13 Peden, Charles (Pacific Northwest National Laboratory) -- CLEERS Diesel Soot Filter Characterization / Emission Control/Aftertreatment
- 9-32 Peden, Charles (Pacific Northwest National Laboratory) -- Degradation Mechanisms in Advanced Catalysts for Urea SCR (CRADA with General Motors) / Emission Control/Aftertreatment
- 9-50 Peden, Charles (Pacific Northwest National Laboratory) -- Mechanism of Sulfur Poisoning of NOx Adsorber Materials (CRADA with Cummins) / Emission Control/Aftertreatment
- Peden, Charles (Pacific Northwest National Laboratory) -- NOx Adsorber Fundamentals / 9-53 Emission Control/Aftertreatment
- 3-25 Pesaran, Ahmad (National Renewable Energy Laboratory) -- IEA/HEV Implementing Agreement / Battery Development, Testing, Simulation, Analysis
- Pesaran, Ahmad (National Renewable Energy Laboratory) -- Thermal Management Modeling 3-45 / Battery Development, Testing, Simulation, Analysis
- 3-49 Pesaran, Ahmad (National Renewable Energy Laboratory) -- Thermal Management Studies / Battery Development, Testing, Simulation, Analysis
- 4-54 Pesaran, Ahmad (National Renewable Energy Laboratory) -- Nano-Structured Metal Oxide Films / Exploratory Battery Research
- Phillips, Nate (Oak Ridge National Laboratory) -- Life Prediction for Diesel Engine 12-47 Components / Propulsion Materials
- 12-49 Phillips, Nate (Caterpillar Inc.) -- Lightweight Valve Train Materials (Titanium) / Propulsion Materials
- 12-52 Phillips, Nate (Caterpillar Inc.) -- Materials for Advanced Engine Valve Train / Propulsion Materials
- 12-66 Phillips, Nate (Oak Ridge National Laboratory) -- Non-Destructive Evaluation of Diesel **Components / Propulsion Materials**



- 7-51 Pickett, Lyle (Sandia National Laboratories) -- Low-Temperature Diesel Combustion Cross-Cut Research / Combustion Research
- 7-24 Piggott, Tom (Lawrence Livermore National Laboratory) -- HCCI Engine Research and Modeling / Combustion Research
- 7-68 Pihl, Josh (Oak Ridge National Laboratory) -- Stretch Efficiency -- Thermodynamic Analysis of New Combustion Regimes / Combustion Research
- 9-57 Pihl, Josh (Oak Ridge National Laboratory) -- NOx Adsorber R&D (CRADA between ORNL and International Truck and Engine Company) / Emission Control/Aftertreatment
- 7-17 Pitz, Bill (Lawrence Livermore National Laboratory) -- Chemical Kinetic Research on HCCI and Diesel Fuels / Combustion Research
- 10-28 Pitz, Bill (Lawrence Livermore National Laboratory) -- LLNL APBF / Fuels Technologies
- 12-5 Pollard, Michael (Caterpillar Inc.) -- Austenitic Stainless Steel Alloys of Exhaust Components / Propulsion Materials
- 12-60 Pollard, Michael (Caterpillar Inc.) -- Materials for High-Pressure Fuel Injection Systems / Propulsion Materials
- 11-14 Pomykala, Joe (Argonne National Laboratory) -- Compatibilization/Compounding Evaluation of Recovered Polymers / Lightweight Materials
- 11-113 Pomykala, Joe (Argonne National Laboratory) -- Post-Shred Materials Recovery Technology Development and Demonstration / Lightweight Materials
- 7-20 Powell, Christopher (Argonne National Laboratory) -- Fuel Spray Research Using Advanced Photon Source / Combustion Research
- 2-34 Prezas, P. (Argonne National Laboratory) -- Life Validation Testing Protocol Development / Applied Battery Research
- 3-41 Prezas, P. (Argonne National Laboratory) -- Testing USABC Deliverables/Benchmarking / Battery Development, Testing, Simulation, Analysis
- 9-25 Prikhodko, Vitaly (Oak Ridge National Laboratory) -- Controlling NOx from Multi-Mode Lean DI Engines / Emission Control/Aftertreatment
- 14-15 Proc, Ken (National Renewable Energy Laboratory) -- Cool Cab Truck Thermal Load Reduction / Vehicle Systems and Simulation
- 10-20 Puduppakkam, Karthik (Reaction Design) -- Experimental and Modeling Studies of the Characteristics of Liquid Biofuels for Enhanced Combustion / Fuels Technologies
- 7-7 Qualls, A. Lou (Oak Ridge National Laboratory) -- Achieving/Demonstrating FreedomCAR/ACEC Efficiency Goal / Combustion Research
- 7-68 Qualls, A. Lou (Oak Ridge National Laboratory) -- Stretch Efficiency -- Thermodynamic Analysis of New Combustion Regimes / Combustion Research

- 7-48 Ra, Youngchul (University of Wisconsin) -- Light-Duty Combustion Modeling (UWI) / Combustion Research
- 9-4 Rappe, Ken (Pacific Northwest National Laboratory) -- Advanced Combustion Engine Low-Temperature CO and HC Oxidation (CRADA with Caterpillar) / Emission Control/Aftertreatment
- 10-4 Ratcliff, Matt (National Renewable Energy Laboratory) -- Advanced Fuel and Lubricant Impacts on Emerging and Existing Diesel Engines / Fuels Technologies
- 10-9 Ratcliff, Matt (National Renewable Energy Laboratory) -- APBF Impacts on Advanced Combustion Engines / Fuels Technologies
- 7-48 Reitz, Rolf (University of Wisconsin) -- Light-Duty Combustion Modeling (UWI) / Combustion Research
- 7-54 Reitz, Rolf (University of Wisconsin) -- Optimizing Low-Temperature Diesel Combustion / Combustion Research
- 4-81 Richardson, Thomas (Lawrence Berkeley National Laboratory) -- Phase Behavior and Solid State Chemistry in Olivines / Exploratory Battery Research
- 2-18 Richardson, Tom (Lawrence Berkeley National Laboratory) -- Diagnostics at LBNL / Applied Battery Research
- 10-20 Roby, Stephen (Chevron) -- Experimental and Modeling Studies of the Characteristics of Liquid Biofuels for Enhanced Combustion / Fuels Technologies
- 5-8 Rogers, Susan (U.S. Department of Energy) -- Advanced Power Electronics and Electric Motors R&D / Advanced Power Electronics
- 2-4 Roth, Pete (Sandia National Laboratories) -- Abuse Tolerance Improvement / Applied Battery Research
- 3-4 Roth, Pete (Sandia National Laboratories) -- Abuse Testing of High-Power Batteries / Battery Development, Testing, Simulation, Analysis
- 14-25 Rousseau, Aymeric (Argonne National Laboratory) -- GM Cooperative Research and Development Agreement / Vehicle Systems and Simulation
- 14-27 Rousseau, Aymeric (Argonne National Laboratory) -- Government Performance and Results Act and Multipath / Vehicle Systems and Simulation
- 14-50 Rousseau, Aymeric (Argonne National Laboratory) -- PHEV Component Sizing / Vehicle Systems and Simulation
- 14-52 Rousseau, Aymeric (Argonne National Laboratory) -- PHEV Control Impact and Optimization / Vehicle Systems and Simulation
- 12-44 Routbort, Jules (Argonne National Laboratory) -- Joining of Advanced Materials by Plasticity / Propulsion Materials



- 12-75 Routbort, Jules (Argonne National Laboratory) -- Residual Stress / Propulsion Materials
- 12-87 Routbort, Jules (Argonne National Laboratory) -- Thermoelectrics Materials by Design, Diamond-Based Thermoelectric materials / Propulsion Materials
- 14-20 Routbort, Jules (Argonne National Laboratory) -- Erosion of Advanced Radiator Materials / Vehicle Systems and Simulation
- 14-38 Routbort, Jules (Argonne National Laboratory) -- Nano Fluids for Thermal Control Applications / Vehicle Systems and Simulation
- 9-61 Ruth, M. (Cummins Inc.) -- NOx Aftertreatment CRADA with Cummins / Emission Control/Aftertreatment
- 7-54 Rutland, Chris (University of Wisconsin) -- Optimizing Low-Temperature Diesel Combustion / Combustion Research
- 14-7 Salari, Kambiz (Lawrence Livermore National Laboratory) -- Aerodynamic Drag Reduction / Vehicle Systems and Simulation
- 5-27 Salasoo, Lembit (General Electric) -- Scalable, Low-Cost, High-Performance IPM Motor / Advanced Power Electronics
- 7-54 Sanders, S. (University of Wisconsin) -- Optimizing Low-Temperature Diesel Combustion / Combustion Research
- 11-46 Santella, Mike (Oak Ridge National Laboratory) -- Friction Stir-Spot Welding of AHSS / Lightweight Materials
- 3-31 Santini, Dan (Argonne National Laboratory) -- Requirements and Targets Validation / Battery Development, Testing, Simulation, Analysis
- 4-44 Sastry, Ann Marie (University of Michigan) -- Microscale Electrode Design Using Coupled Kinetic, Thermal, and Mechanical Modeling / Exploratory Battery Research
- 6-14 Schock, Harold (Michigan State University) -- Thermoelectric Conversion of Waste Heat to Electricity / Solid State Energy Conversion
- 8-4 Schram, Tim (Ford Motor Company) -- Advanced Boost System Development for Diesel HCCI Application / High Efficiency Clean Combustion
- 15-9 Seiff, Hank (Clean Vehicle Education Foundation') -- CNG Cylinder Safety Program / Deployment
- 4-36 Sethuraman, Vijay (Lawrence Berkeley National Laboratory) -- Kinetics of Lithium Insertion into Silicon Anodes / Exploratory Battery Research
- 4-70 Shao-Horn, Y (Massachusetts Institute of Technology) -- Origin of Surface Instability of Lithium Positive Electrode Materials upon Cycling / Exploratory Battery Research
- 14-25 Sharer, Phil (Argonne National Laboratory) -- GM Cooperative Research and Development Agreement / Vehicle Systems and Simulation

- 14-50 Sharer, Phil (Argonne National Laboratory) -- PHEV Component Sizing / Vehicle Systems and Simulation
- 14-52 Sharer, Phil (Argonne National Laboratory) -- PHEV Control Impact and Optimization / Vehicle Systems and Simulation
- 14-9 Shidore, Neeraj (Argonne National Laboratory) -- Battery Hardware-in-the-Loop / Vehicle Systems and Simulation
- 4-25 Shin, Joon Ho (Lawrence Berkeley National Laboratory) -- Interfacial Behavior of Electrolytes / Exploratory Battery Research
- 12-20 Shyam, Amit (Oak Ridge National Laboratory) -- Durability of Diesel Engine Particulate Filters / Propulsion Materials
- 12-55 Sikka, V.K. (Oak Ridge National Laboratory) -- Materials for HCCI Engines / Propulsion Materials
- 7-17 Silke, Emma (Lawrence Livermore National Laboratory) -- Chemical Kinetic Research on HCCI and Diesel Fuels / Combustion Research
- 10-28 Silke, Emma (Lawrence Livermore National Laboratory) -- LLNL APBF / Fuels Technologies
- 15-12 Simms, Stacey (Colorado Governor's Energy Office) -- Colorado E85 Infrastructure Project / Deployment
- 11-36 Simunovic, Srdjan (Oak Ridge National Laboratory) -- Dynamic Characterization of Spot Welds in AHSS / Lightweight Materials
- 11-134 Simunovic, Srdjan (Oak Ridge National Laboratory) -- Strain-Rate Characterization/Strain-Rate Characterization Technology Development / Lightweight Materials
- 12-85 Singh, David (Oak Ridge National Laboratory) -- Thermoelectrics Materials by Design, Computational Theory and Structure / Propulsion Materials
- 12-44 Singh, Dileep (Argonne National Laboratory) -- Joining of Advanced Materials by Plasticity / Propulsion Materials
- 12-75 Singh, Dileep (Argonne National Laboratory) -- Residual Stress / Propulsion Materials
- 12-87 Singh, Dileep (Argonne National Laboratory) -- Thermoelectrics Materials by Design, Diamond-Based Thermoelectric materials / Propulsion Materials
- 14-20 Singh, Dileep (Argonne National Laboratory) -- Erosion of Advanced Radiator Materials / Vehicle Systems and Simulation
- 14-38 Singh, Dileep (Argonne National Laboratory) -- Nano Fluids for Thermal Control Applications / Vehicle Systems and Simulation
- 7-11 Sjoberg, Magnus (Sandia National Laboratories) -- Advanced HCCI Engine Combustion Fundamentals / Combustion Research



- 11-36 Sklad, Phil (Oak Ridge National Laboratory) -- Dynamic Characterization of Spot Welds in AHSS / Lightweight Materials
- 11-46 Sklad, Phil (Oak Ridge National Laboratory) -- Friction Stir-Spot Welding of AHSS / Lightweight Materials
- 11-134 Sklad, Phil (Oak Ridge National Laboratory) -- Strain-Rate Characterization/Strain-Rate Characterization Technology Development / Lightweight Materials
- 10-6 Sluder, Scott (Oak Ridge National Laboratory) -- APBF Fuel Effects on Advanced Combustion Regimes / Fuels Technologies
- 10-37 Sluder, Scott (Oak Ridge National Laboratory) -- NPBF Characteristics Effects on Advanced Combustion Engines / Fuels Technologies
- 10-39 Sluder, Scott (Oak Ridge National Laboratory) -- NPBF Effects and Enhancements on Engine Emission Control Technologies / Fuels Technologies
- 4-48 Smith, Grant (University of Utah) -- Molecular Dynamics Simulation Studies of Electrolytes and Electrolyte-Electrode Interfaces / Exploratory Battery Research
- 5-25 Smith, Greg (General Motors Corporation) -- Integrated Traction Drive System / Advanced Power Electronics
- 11-11 Smith, Mark (Pacific Northwest National Laboratory) -- Characterization of Thermomechanical Behavior of TRIP Steels / Lightweight Materials
- 11-83 Smith, Mark (Pacific Northwest National Laboratory) -- Low Cost Titanium / Lightweight Materials
- 11-97 Smith, Mark (Pacific Northwest National Laboratory) -- Magnesium Research and Technology Development / Lightweight Materials
- 11-103 Smith, Mark (Pacific Northwest National Laboratory) -- Natural Fiber Composite Retting, Preform Manufacturing, and Molding / Lightweight Materials
- 11-120 Smith, Mark (Pacific Northwest National Laboratory) -- Predictive Modeling of Polymer Composites / Lightweight Materials
- 11-123 Smith, Mark (Pacific Northwest National Laboratory) -- Predictive Modeling of Polymer Composites / Lightweight Materials
- 12-8 Smith, Mark (Pacific Northwest National Laboratory) -- Bonding of Materials Using Reactive Nanofoils / Propulsion Materials
- 14-20 Smith, R. (Argonne National Laboratory) -- Erosion of Advanced Radiator Materials / Vehicle Systems and Simulation
- 14-38 Smith, R. (Argonne National Laboratory) -- Nano Fluids for Thermal Control Applications / Vehicle Systems and Simulation



- 14-59 Smith, Richard (Oak Ridge National Laboratory) -- PHEV Value Proposition Study / Vehicle Systems and Simulation
- 14-20 Sofu, T. (Argonne National Laboratory) -- Erosion of Advanced Radiator Materials / Vehicle Systems and Simulation
- 14-38 Sofu, T. (Argonne National Laboratory) -- Nano Fluids for Thermal Control Applications / Vehicle Systems and Simulation
- 16-24 Sperling, Dan (University of California Davis) -- GATE Center for Fuel Cell Hydrogen Hybrid Vehicles / Technology Integration/Education
- 4-36 Srinivasan, Venkat (Lawrence Berkeley National Laboratory) -- Kinetics of Lithium Insertion into Silicon Anodes / Exploratory Battery Research
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- 4-58 Clemson University (DesMarteau, D -- New Lithium-based Ionic Liquid Electrolytes that Resist Salt Concentration Polarization / Exploratory Battery Research
- 15-12 Colorado Governor's Energy Office (Simms, Stacey -- Colorado E85 Infrastructure Project / Deployment
- 4-21 Columbia University (Crowther, Owen -- In Situ Observations of Lithium Dendrite Growth / Exploratory Battery Research
- 4-21 Columbia University (West, Alan -- In Situ Observations of Lithium Dendrite Growth / Exploratory Battery Research
- 3-15 Compact Power (Alamgir, Mohamed -- High-Power Electrochemical Storage Devices and Plug-in Hybrid Electric Vehicle Battery Development / Battery Development, Testing, Simulation, Analysis
- 8-47 Cummins Inc. (Andrews, Eric -- On-Board Engine Exhaust Particulate Matter Sensor / High Efficiency Clean Combustion
- 12-30 Cummins Inc. (Chen, Yong-Ching -- Fatigue Enhancements by Shock Peening (Cummins) / Propulsion Materials



- 9-61 Cummins Inc. (Cunningham, M -- NOx Aftertreatment CRADA with Cummins / Emission Control/Aftertreatment
- 9-50 Cummins Inc. (Currier, Neal -- Mechanism of Sulfur Poisoning of NOx Adsorber Materials (CRADA with Cummins) / Emission Control/Aftertreatment
- 9-61 Cummins Inc. (Currier, Neal -- NOx Aftertreatment CRADA with Cummins / Emission Control/Aftertreatment
- 8-31 Cummins Inc. (Frazier, Tim -- Light-Duty Efficient Clean Combustion / High Efficiency Clean Combustion
- 8-47 Cummins Inc. (Garimella, Phanindra -- On-Board Engine Exhaust Particulate Matter Sensor / High Efficiency Clean Combustion
- 9-61 Cummins Inc. (Kamasamudram, K. -- NOx Aftertreatment CRADA with Cummins / Emission Control/Aftertreatment
- 12-20 Cummins Inc. (Klepser, Cheryl -- Durability of Diesel Engine Particulate Filters / Propulsion Materials
- 9-50 Cummins Inc. (Li, Junhui -- Mechanism of Sulfur Poisoning of NOx Adsorber Materials (CRADA with Cummins) / Emission Control/Aftertreatment
- 8-22 Cummins Inc. (Nelson, Chris -- Exhaust Energy Recovery / High Efficiency Clean Combustion
- 9-61 Cummins Inc. (Ruth, M. -- NOx Aftertreatment CRADA with Cummins / Emission Control/Aftertreatment
- 9-50 Cummins Inc. (Stafford, Randy -- Mechanism of Sulfur Poisoning of NOx Adsorber Materials (CRADA with Cummins) / Emission Control/Aftertreatment
- 12-20 Cummins Inc. (Stafford, Randy -- Durability of Diesel Engine Particulate Filters / Propulsion Materials
- 9-50 Cummins Inc. (Stang, John -- Mechanism of Sulfur Poisoning of NOx Adsorber Materials (CRADA with Cummins) / Emission Control/Aftertreatment
- 8-15 Cummins Inc. (Stanton, Don -- Enabling High-Efficiency Clean Combustion (HECC) / High Efficiency Clean Combustion
- 9-61 Cummins Inc. (Whitacre, Shawn -- NOx Aftertreatment CRADA with Cummins / Emission Control/Aftertreatment
- 9-50 Cummins Inc. (Yezerets, Alex -- Mechanism of Sulfur Poisoning of NOx Adsorber Materials (CRADA with Cummins) / Emission Control/Aftertreatment
- 9-61 Cummins Inc. (Yezerets, Alex -- NOx Aftertreatment CRADA with Cummins / Emission Control/Aftertreatment

- 12-20 Cummins Inc. (Yezerets, Alex -- Durability of Diesel Engine Particulate Filters / Propulsion Materials
- 12-20 Cummins Inc. (Yonushonis, Tom -- Durability of Diesel Engine Particulate Filters / Propulsion Materials
- 7-65 Delphi (Confer, Keith -- Spark-Assisted HCCI Control / Combustion Research
- 10-11 Delphi (Confer, Keith -- E85 Optimized Engine / Fuels Technologies
- 8-51 Delphi Automotive Systems (Gutterman, Jeff -- Variable Valve Actuation / High Efficiency Clean Combustion
- 5-17 Delphi Automotive Systems (Taylor, Ralph -- Development, Test, and Demonstration of an Inverter / Advanced Power Electronics
- 8-25 Detroit Diesel Corporation (Zhang, Houshun -- Heavy Truck Engine Development and HECC / High Efficiency Clean Combustion
- 14-23 Eaton Corporation (Killian, Mike -- Friction & Wear / Vehicle Systems and Simulation
- 3-18 Enerdel (Ota, Naoki -- High-Power Electrochemical Storage Devices and Plug-in Hybrid Electric Vehicle Battery Development / Battery Development, Testing, Simulation, Analysis
- 8-35 Envera LLC (Mendler, Charles -- Low-Cost, Fast Response Actuator / High Efficiency Clean Combustion
- 10-14 Ford Motor Company (Agarwal, Apoory -- E85 Optimized Engine Application / Fuels Technologies
- 11-43 Ford Motor Company (Jaranson, John -- Focal Project 4 Floor Pan / Lightweight Materials
- 11-39 Ford Motor Company (Jones, Martin H. -- Enhanced Resonance Inspection for Light-Metal Castings / Lightweight Materials
- 11-140 Ford Motor Company (Maj, Michael -- Ultra-Large Casting Demonstrations / Lightweight Materials
- 8-4 Ford Motor Company (Schram, Tim -- Advanced Boost System Development for Diesel HCCI Application / High Efficiency Clean Combustion
- 10-14 Ford Motor Company (Stein, R. -- E85 Optimized Engine Application / Fuels Technologies
- 8-4 Ford Motor Company (Sun, Harold -- Advanced Boost System Development for Diesel HCCI Application / High Efficiency Clean Combustion
- 5-27 General Electric (El-Refaie, Ayman -- Scalable, Low-Cost, High-Performance IPM Motor / Advanced Power Electronics
- 5-27 General Electric (Johnson, Frank -- Scalable, Low-Cost, High-Performance IPM Motor / Advanced Power Electronics

- 5-27 General Electric (Salasoo, Lembit -- Scalable, Low-Cost, High-Performance IPM Motor / Advanced Power Electronics
- 10-53 General Motors (Wu, Ko-Jen -- Use of EGR to Optimize Fuel Economy & Minimize Emissions in Engines Operating on E85 / Fuels Technologies
- 11-43 General Motors Corporation (Berger, Libby -- Focal Project 4 Floor Pan / Lightweight Materials
- 11-21 General Motors Corporation (Botkin, Mark -- Crash Energy Management / Lightweight Materials
- 11-39 General Motors Corporation (Dasch, Cam -- Enhanced Resonance Inspection for Light-Metal Castings / Lightweight Materials
- 11-106 General Motors Corporation (Dasch, Cam -- NDE Inspection of Adhesive bonds in Metal-Metal Joints / Lightweight Materials
- 8-28 General Motors Corporation (Durrett, Russ -- HECC Engine Designs for Spark-Ignition and Compression-Ignition Engines / High Efficiency Clean Combustion
- 8-28 General Motors Corporation (Gonzalez, Manuel -- HECC Engine Designs for Spark-Ignition and Compression-Ignition Engines / High Efficiency Clean Combustion
- 8-28 General Motors Corporation (He, Xin -- HECC Engine Designs for Spark-Ignition and Compression-Ignition Engines / High Efficiency Clean Combustion
- 11-90 General Motors Corporation (Luo, Alan -- Magnesium Front-End R&D / Lightweight Materials
- 8-28 General Motors Corporation (Patton, Ken -- HECC Engine Designs for Spark-Ignition and Compression-Ignition Engines / High Efficiency Clean Combustion
- 5-25 General Motors Corporation (Smith, Greg -- Integrated Traction Drive System / Advanced Power Electronics
- 11-33 General Motors Corporation (Stoughton, Tom -- Die-Face Engineering Project for Advanced Sheet-Forming Materials / Lightweight Materials
- 6-3 General Motors Corporation (Yang, Jihui -- Development of Thermoelectric Technology for Automotive Waste Heat Recovery / Solid State Energy Conversion
- 13-3 Health Effects Institute (Bailey, Brent -- Collaborative Emissions Study (ACES) / Health Impacts
- 13-3 Health Effects Institute (Costantini, M. -- Collaborative Emissions Study (ACES) / Health Impacts
- 13-3 Health Effects Institute (Greenbaum, Dan -- Collaborative Emissions Study (ACES) / Health Impacts

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- 13-3 Health Effects Institute (Tennant, Chris -- Collaborative Emissions Study (ACES) / Health Impacts
- 13-3 Health Effects Institute (Warren, J. -- Collaborative Emissions Study (ACES) / Health Impacts
- 4-40 Hydro-Quebec (Zaghib, K -- Low-Cost Graphite and Olivine-Based Materials for Li-Ion Batteries / Exploratory Battery Research
- 3-34 Idaho National Laboratory (Belt, Jeff -- Testing USABC (High-Power Energy Storage) Deliverables/Benchmarking / Battery Development, Testing, Simulation, Analysis
- 2-28 Idaho National Laboratory (Christopherson, Jon -- Gen 3 Cell Testing / Applied Battery Research
- 2-37 Idaho National Laboratory (Christopherson, Jon -- Life Validation Testing Protocol Development / Applied Battery Research
- 14-41 Idaho National Laboratory (Francfort, Jim -- Non-PHEV Evaluations and Data Collection / Vehicle Systems and Simulation
- 14-54 Idaho National Laboratory (Francfort, Jim -- PHEV Evaluation and Data Collection / Vehicle Systems and Simulation
- 2-8 Idaho National Laboratory (Gering, Kevin -- Advanced Chemistry: Electrolyte Modeling / Applied Battery Research
- 2-73 Idaho National Laboratory (Gering, Kevin -- Statistical DOE at INL / Applied Battery Research
- 3-34 Idaho National Laboratory (Murphy, Tim -- Testing USABC (High-Power Energy Storage) Deliverables/Benchmarking / Battery Development, Testing, Simulation, Analysis
- 3-38 Idaho National Laboratory (Murphy, Tim -- Testing USABC (PHEV Battery Development) Deliverables/Benchmarking / Battery Development, Testing, Simulation, Analysis
- 7-42 Iowa State University (Kong, Song-Charng -- KIVA Modeling to Support Diesel Combustion Research / Combustion Research
- 7-42 Iowa State University (Xue, Qingluan -- KIVA Modeling to Support Diesel Combustion Research / Combustion Research
- 3-21 Johnson Controls-SAFT (Andrew, Mike -- High-Power Electrochemical Storage Devices and Plug-in Hybrid Electric Vehicle Battery Development / Battery Development, Testing, Simulation, Analysis
- 9-50 Johnson Matthey (Chen, Hai-Ying -- Mechanism of Sulfur Poisoning of NOx Adsorber Materials (CRADA with Cummins) / Emission Control/Aftertreatment
- 9-50 Johnson Matthey (Hess, Howard -- Mechanism of Sulfur Poisoning of NOx Adsorber Materials (CRADA with Cummins) / Emission Control/Aftertreatment



- 7-48 Kookmin University (Kim, Duksang -- Light-Duty Combustion Modeling (UWI) / Combustion Research
- 15-18 Kum-n-Go (Steely, Ben -- Kum-n-Go E85 Infrastructure Project / Deployment
- 4-8 Lawrence Berkeley National Laboratory (Balsara, Nitash -- Block Copolymer Electrolytes for High-Energy Density Lithium Batteries / Exploratory Battery Research
- 4-25 Lawrence Berkeley National Laboratory (Basak, Pratyay -- Interfacial Behavior of Electrolytes / Exploratory Battery Research
- 2-31 Lawrence Berkeley National Laboratory (Battaglia, Vince -- Life Validation Testing Protocol Development / Applied Battery Research
- 4-17 Lawrence Berkeley National Laboratory (Battaglia, Vince -- Electrode Construction and Testing / Exploratory Battery Research
- 4-25 Lawrence Berkeley National Laboratory (Beer, Leanne -- Interfacial Behavior of Electrolytes / Exploratory Battery Research
- 4-66 Lawrence Berkeley National Laboratory (Doeff, Marca -- Olivines and Substituted Layered Materials / Exploratory Battery Research
- 4-25 Lawrence Berkeley National Laboratory (Kerr, John -- Interfacial Behavior of Electrolytes / Exploratory Battery Research
- 2-18 Lawrence Berkeley National Laboratory (Kostecki, Robert -- Diagnostics at LBNL / Applied Battery Research
- 4-4 Lawrence Berkeley National Laboratory (Kostecki, Robert -- 3-D Nanostructured Carbon-Tin Composite Anodes / Exploratory Battery Research
- 2-18 Lawrence Berkeley National Laboratory (McLarnon, Frank -- Diagnostics at LBNL / Applied Battery Research
- 4-36 Lawrence Berkeley National Laboratory (Newman, John -- Kinetics of Lithium Insertion into Silicon Anodes / Exploratory Battery Research
- 4-81 Lawrence Berkeley National Laboratory (Richardson, Thomas -- Phase Behavior and Solid State Chemistry in Olivines / Exploratory Battery Research
- 2-18 Lawrence Berkeley National Laboratory (Richardson, Tom -- Diagnostics at LBNL / Applied Battery Research
- 4-36 Lawrence Berkeley National Laboratory (Sethuraman, Vijay -- Kinetics of Lithium Insertion into Silicon Anodes / Exploratory Battery Research
- 4-25 Lawrence Berkeley National Laboratory (Shin, Joon Ho -- Interfacial Behavior of Electrolytes / Exploratory Battery Research
- 4-36 Lawrence Berkeley National Laboratory (Srinivasan, Venkat -- Kinetics of Lithium Insertion into Silicon Anodes / Exploratory Battery Research



- 4-74 Lawrence Berkeley National Laboratory (Srinivasan, Venkat -- Overview: Batteries for Advanced Transportation Technologies (BATT) Program / Exploratory Battery Research
- 4-93 Lawrence Berkeley National Laboratory (Srinivasan, Venkat -- Summary and Future Plans / Exploratory Battery Research
- 7-24 Lawrence Livermore National Laboratory (Aceves, Salvador -- HCCI Engine Research and Modeling / Combustion Research
- 10-28 Lawrence Livermore National Laboratory (Aceves, Salvador -- LLNL APBF / Fuels Technologies
- 10-28 Lawrence Livermore National Laboratory (Buchholz, Bruce -- LLNL APBF / Fuels Technologies
- 10-28 Lawrence Livermore National Laboratory (Davisson, Lee -- LLNL APBF / Fuels Technologies
- 7-24 Lawrence Livermore National Laboratory (Edman, Jonas -- HCCI Engine Research and Modeling / Combustion Research
- 7-24 Lawrence Livermore National Laboratory (Flowers, Dan -- HCCI Engine Research and Modeling / Combustion Research
- 10-28 Lawrence Livermore National Laboratory (Flowers, Dan -- LLNL APBF / Fuels Technologies
- 12-68 Lawrence Livermore National Laboratory (Glass, Robert -- NOx Sensor Development / Propulsion Materials
- 7-17 Lawrence Livermore National Laboratory (Herbinet, Olivier -- Chemical Kinetic Research on HCCI and Diesel Fuels / Combustion Research
- 10-28 Lawrence Livermore National Laboratory (Herbinet, Olivier -- LLNL APBF / Fuels Technologies
- 7-24 Lawrence Livermore National Laboratory (Killingsworth, Nick -- HCCI Engine Research and Modeling / Combustion Research
- 10-28 Lawrence Livermore National Laboratory (Killingsworth, Nick -- LLNL APBF / Fuels Technologies
- 12-68 Lawrence Livermore National Laboratory (Martin, Peter -- NOx Sensor Development / Propulsion Materials
- 7-24 Lawrence Livermore National Laboratory (Piggott, Tom -- HCCI Engine Research and Modeling / Combustion Research
- 7-17 Lawrence Livermore National Laboratory (Pitz, Bill -- Chemical Kinetic Research on HCCI and Diesel Fuels / Combustion Research
- 10-28 Lawrence Livermore National Laboratory (Pitz, Bill -- LLNL APBF / Fuels Technologies

- 14-7 Lawrence Livermore National Laboratory (Salari, Kambiz -- Aerodynamic Drag Reduction / Vehicle Systems and Simulation
- 7-17 Lawrence Livermore National Laboratory (Silke, Emma -- Chemical Kinetic Research on HCCI and Diesel Fuels / Combustion Research
- 10-28 Lawrence Livermore National Laboratory (Silke, Emma -- LLNL APBF / Fuels Technologies
- 7-17 Lawrence Livermore National Laboratory (Westbrook, Charles -- Chemical Kinetic Research on HCCI and Diesel Fuels / Combustion Research
- 10-28 Lawrence Livermore National Laboratory (Westbrook, Charles -- LLNL APBF / Fuels Technologies
- 12-68 Lawrence Livermore National Laboratory (Woo, Leta -- NOx Sensor Development / Propulsion Materials
- 7-42 Los Alamos National Laboratory (Torres, David -- KIVA Modeling to Support Diesel Combustion Research / Combustion Research
- 8-43 Mack Trucks Inc. (Habibzadeh, Bahman -- Narrow-Band Engine and a CVT to Optimize Performance / High Efficiency Clean Combustion
- 10-45 Mahle (Woodrow, Bruce -- Optimally Controlled Flexible Fuel Powertrain System (E85 Optimized) / Fuels Technologies
- 4-62 Massachusetts Institute of Technology (Ceder, Gerbrand -- Olivine and Layered Materials (Characterization, Rate Performance, and Stability) / Exploratory Battery Research
- 7-72 Massachusetts Institute of Technology (Cheng, Wai -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 4-70 Massachusetts Institute of Technology (Shao-Horn, Y -- Origin of Surface Instability of Lithium Positive Electrode Materials upon Cycling / Exploratory Battery Research
- 6-14 Michigan State University (Schock, Harold -- Thermoelectric Conversion of Waste Heat to Electricity / Solid State Energy Conversion
- 16-6 N/A (N/A -- GATE Awards / Technology Integration/Education
- 15-21 National Biodiesel Board (Hamilton, Jill -- NBB Terminal Blending / Deployment
- 12-40 National Energy Technology Laboratory (Hsu, Stephen -- IEA Annex on Materials For Transportation / Propulsion Materials
- 15-3 National Energy Technology Laboratory (Milewski, Kay -- Clean Cities Coalition Regional Support / Deployment
- 12-42 National Energy Technology Laboratory (Yocum, Aaron -- Integrated Surface Engineering for Improving Energy Efficiency / Propulsion Materials

- 10-9 National Renewable Energy Laboratory (Alexander, Colleen -- APBF Impacts on Advanced Combustion Engines / Fuels Technologies
- 4-54 National Renewable Energy Laboratory (Benhammou, Dan -- Nano-Structured Metal Oxide Films / Exploratory Battery Research
- 15-6 National Renewable Energy Laboratory (Bergeron, Paul -- Clean Cities-Core Program and Tools / Deployment
- 15-15 National Renewable Energy Laboratory (Bergeron, Paul -- EPAct Data Collection and Management / Deployment
- 10-34 National Renewable Energy Laboratory (Clark, Wendy -- Non-Petroleum Based Fuels Intermediate Ethanol Blends / Fuels Technologies
- 4-54 National Renewable Energy Laboratory (Dillon, Anne -- Nano-Structured Metal Oxide Films / Exploratory Battery Research
- 4-54 National Renewable Energy Laboratory (Gillaspie, Dane -- Nano-Structured Metal Oxide Films / Exploratory Battery Research
- 5-10 National Renewable Energy Laboratory (Kelly, Ken -- Advanced Thermal Interface Materials, Characterization & Dev. of Advanced Heat Transfer Technologies / Advanced Power Electronics
- 4-54 National Renewable Energy Laboratory (Kim, Yong-Hyun -- Nano-Structured Metal Oxide Films / Exploratory Battery Research
- 10-34 National Renewable Energy Laboratory (Knoll, Keith -- Non-Petroleum Based Fuels Intermediate Ethanol Blends / Fuels Technologies
- 10-34 National Renewable Energy Laboratory (Lawson, Doug -- Non-Petroleum Based Fuels Intermediate Ethanol Blends / Fuels Technologies
- 13-9 National Renewable Energy Laboratory (Lawson, Doug -- Health Impacts Research / Health Impacts
- 14-62 National Renewable Energy Laboratory (Markel, Tony -- Thermoelectric Analysis, Integrated Vehicle Thermal Management Systems Analysis/Modeling / Vehicle Systems and Simulation
- 10-42 National Renewable Energy Laboratory (McCormick, Robert -- NPBF Quality, Stability, Performance, and Emission Impacts of Biodiesel Blends / Fuels Technologies
- 3-25 National Renewable Energy Laboratory (Pesaran, Ahmad -- IEA/HEV Implementing Agreement / Battery Development, Testing, Simulation, Analysis
- 3-45 National Renewable Energy Laboratory (Pesaran, Ahmad -- Thermal Management Modeling
 / Battery Development, Testing, Simulation, Analysis
- 3-49 National Renewable Energy Laboratory (Pesaran, Ahmad -- Thermal Management Studies / Battery Development, Testing, Simulation, Analysis



- 4-54 National Renewable Energy Laboratory (Pesaran, Ahmad -- Nano-Structured Metal Oxide Films / Exploratory Battery Research
- 14-15 National Renewable Energy Laboratory (Proc, Ken -- Cool Cab Truck Thermal Load Reduction / Vehicle Systems and Simulation
- 10-4 National Renewable Energy Laboratory (Ratcliff, Matt -- Advanced Fuel and Lubricant Impacts on Emerging and Existing Diesel Engines / Fuels Technologies
- 10-9 National Renewable Energy Laboratory (Ratcliff, Matt -- APBF Impacts on Advanced Combustion Engines / Fuels Technologies
- 4-54 National Renewable Energy Laboratory (Sullivan, Patrick -- Nano-Structured Metal Oxide Films / Exploratory Battery Research
- 10-9 National Renewable Energy Laboratory (Taylor, Joshua -- APBF Impacts on Advanced Combustion Engines / Fuels Technologies
- 14-35 National Renewable Energy Laboratory (Walcowicz, Kevin -- Medium-Duty/Heavy-Duty Advanced Technology Evaluations / Vehicle Systems and Simulation
- 4-54 National Renewable Energy Laboratory (Whitney, Erin -- Nano-Structured Metal Oxide Films / Exploratory Battery Research
- 8-39 Navistar Inc. (Ojeda, Willy -- Low-Temperature Combustion Demonstrator for High-Efficiency Clean Combustion / High Efficiency Clean Combustion
- 5-34 Oak Ridge National Laboratory (Adams, Don -- Uncluttered Rotor PM Machine, Axially Excited Electro-Magnetics Synchronous Rotor Motor, Application of Concentrated Windings to Electric Motors, Amorphous Core Material Evaluation, and Magnetic Material for PM Motors / Advanced Power Electronics
- 12-15 Oak Ridge National Laboratory (Allard, Larry -- Catalysts via First Principles / Propulsion Materials
- 12-17 Oak Ridge National Laboratory (Allard, Larry -- Characterization of Catalyst Microstructures and Deactivation Mechanism / Propulsion Materials
- 12-70 Oak Ridge National Laboratory (Armstrong, B.L. -- Power Electronics Materials Compatibility / Propulsion Materials
- 12-70 Oak Ridge National Laboratory (Ayers, C.W. -- Power Electronics Materials Compatibility / Propulsion Materials
- 5-34 Oak Ridge National Laboratory (Ayers, Curt -- Uncluttered Rotor PM Machine, Axially Excited Electro-Magnetics Synchronous Rotor Motor, Application of Concentrated Windings to Electric Motors, Amorphous Core Material Evaluation, and Magnetic Material for PM Motors / Advanced Power Electronics
- 10-39 Oak Ridge National Laboratory (Barone, Teresa -- NPBF Effects and Enhancements on Engine Emission Control Technologies / Fuels Technologies

- 13-6 Oak Ridge National Laboratory (Barone, Teresa -- Health Impacts Unregulated Emissions from Emerging Technologies / Health Impacts
- 12-55 Oak Ridge National Laboratory (Battiste, R. -- Materials for HCCI Engines / Propulsion Materials
- 12-32 Oak Ridge National Laboratory (Blau, Peter -- Friction and Wear Reduction in Diesel Engine Valve Trains / Propulsion Materials
- 12-60 Oak Ridge National Laboratory (Blau, Peter -- Materials for High-Pressure Fuel Injection Systems / Propulsion Materials
- 7-7 Oak Ridge National Laboratory (Briggs, Tom -- Achieving/Demonstrating FreedomCAR/ACEC Efficiency Goal / Combustion Research
- 10-6 Oak Ridge National Laboratory (Bunting, Bruce -- APBF Fuel Effects on Advanced Combustion Regimes / Fuels Technologies
- 10-23 Oak Ridge National Laboratory (Bunting, Bruce -- Fuel & Lubricant Effects on Advanced Emission Ctls, Aging Mechanisms, & Rapid Aging Protocols / Fuels Technologies
- 10-37 Oak Ridge National Laboratory (Bunting, Bruce -- NPBF Characteristics Effects on Advanced Combustion Engines / Fuels Technologies
- 12-55 Oak Ridge National Laboratory (Bunting, Bruce -- Materials for HCCI Engines / Propulsion Materials
- 5-32 Oak Ridge National Laboratory (Burress, Tim -- Technology Benchmarking / Advanced Power Electronics
- 7-68 Oak Ridge National Laboratory (Chakravarthy, V. Kalyana -- Stretch Efficiency --Thermodynamic Analysis of New Combustion Regimes / Combustion Research
- 7-7 Oak Ridge National Laboratory (Cho, Kukwon -- Achieving/Demonstrating FreedomCAR/ACEC Efficiency Goal / Combustion Research
- 10-37 Oak Ridge National Laboratory (Cho, Kukwon -- NPBF Characteristics Effects on Advanced Combustion Engines / Fuels Technologies
- 9-16 Oak Ridge National Laboratory (Choi, Jae-Soon -- CLEERS NOx Adsorber Kinetics and the Multi-Lab Diesel Emissions Reduction Activities / Emission Control/Aftertreatment
- 9-61 Oak Ridge National Laboratory (Choi, Jae-Soon -- NOx Aftertreatment CRADA with Cummins / Emission Control/Aftertreatment
- 9-67 Oak Ridge National Laboratory (Choi, Jae-Soon -- Pre-Competitive R&D on NOx Adsorber Mechanisms / Emission Control/Aftertreatment
- 7-65 Oak Ridge National Laboratory (Daw, Stuart -- Spark-Assisted HCCI Control / Combustion Research



- 7-68 Oak Ridge National Laboratory (Daw, Stuart -- Stretch Efficiency -- Thermodynamic Analysis of New Combustion Regimes / Combustion Research
- 9-28 Oak Ridge National Laboratory (Daw, Stuart -- Coordination of Cross-Cut Lean Exhaust Emission Reduction Simulation (CLEERS) Project / Emission Control/Aftertreatment
- 10-39 Oak Ridge National Laboratory (Daw, Stuart -- NPBF Effects and Enhancements on Engine Emission Control Technologies / Fuels Technologies
- 14-17 Oak Ridge National Laboratory (Daw, Stuart -- Emissions Aftertreatment and Engine Cold-Starting Modeling / Vehicle Systems and Simulation
- 4-32 Oak Ridge National Laboratory (Dudney, Nancy -- Investigation of Metallic Lithium Anode and Graphite Current Collector for Advanced Batteries / Exploratory Battery Research
- 10-6 Oak Ridge National Laboratory (Eaton, Scott -- APBF Fuel Effects on Advanced Combustion Regimes / Fuels Technologies
- 10-23 Oak Ridge National Laboratory (Eaton, Scott -- Fuel & Lubricant Effects on Advanced Emission Ctls, Aging Mechanisms, & Rapid Aging Protocols / Fuels Technologies
- 10-37 Oak Ridge National Laboratory (Eaton, Scott -- NPBF Characteristics Effects on Advanced Combustion Engines / Fuels Technologies
- 7-7 Oak Ridge National Laboratory (Edwards, Dean -- Achieving/Demonstrating FreedomCAR/ACEC Efficiency Goal / Combustion Research
- 7-65 Oak Ridge National Laboratory (Edwards, Dean -- Spark-Assisted HCCI Control / Combustion Research
- 10-17 Oak Ridge National Laboratory (Edwards, Dean -- Enhanced Ethanol Engine and Vehicle Efficiency / Fuels Technologies
- 10-37 Oak Ridge National Laboratory (Edwards, Dean -- NPBF Characteristics Effects on Advanced Combustion Engines / Fuels Technologies
- 11-11 Oak Ridge National Laboratory (Feng, Zhili -- Characterization of Thermomechanical Behavior of TRIP Steels / Lightweight Materials
- 11-36 Oak Ridge National Laboratory (Feng, Zhili -- Dynamic Characterization of Spot Welds in AHSS / Lightweight Materials
- 7-65 Oak Ridge National Laboratory (Finney, Charles E.A. -- Spark-Assisted HCCI Control / Combustion Research
- 12-10 Oak Ridge National Laboratory (Gallego, Nidia -- Carbon Foam Thermal Management / Propulsion Materials
- 7-68 Oak Ridge National Laboratory (Graves, Ron -- Stretch Efficiency -- Thermodynamic Analysis of New Combustion Regimes / Combustion Research

- 10-34 Oak Ridge National Laboratory (Graves, Ron -- Non-Petroleum Based Fuels Intermediate Ethanol Blends / Fuels Technologies
- 12-25 Oak Ridge National Laboratory (Graves, Ron -- Evaluation of Combustion characteristics and Materials via ACERT Engine (Caterpillar) / Propulsion Materials
- 7-68 Oak Ridge National Laboratory (Green Jr., Johney B. -- Stretch Efficiency -- Thermodynamic Analysis of New Combustion Regimes / Combustion Research
- 7-65 Oak Ridge National Laboratory (Green, Jr., Johney B. -- Spark-Assisted HCCI Control / Combustion Research
- 7-7 Oak Ridge National Laboratory (Hale, Richard -- Achieving/Demonstrating FreedomCAR/ACEC Efficiency Goal / Combustion Research
- 10-37 Oak Ridge National Laboratory (Han, Manbae -- NPBF Characteristics Effects on Advanced Combustion Engines / Fuels Technologies
- 9-25 Oak Ridge National Laboratory (Huff, Shean -- Controlling NOx from Multi-Mode Lean DI Engines / Emission Control/Aftertreatment
- 10-17 Oak Ridge National Laboratory (Huff, Shean -- Enhanced Ethanol Engine and Vehicle Efficiency / Fuels Technologies
- 10-34 Oak Ridge National Laboratory (Huff, Shean -- Non-Petroleum Based Fuels Intermediate Ethanol Blends / Fuels Technologies
- 9-25 Oak Ridge National Laboratory (Kass, Mike -- Controlling NOx from Multi-Mode Lean DI Engines / Emission Control/Aftertreatment
- 4-32 Oak Ridge National Laboratory (Kercher, Andrew -- Investigation of Metallic Lithium Anode and Graphite Current Collector for Advanced Batteries / Exploratory Battery Research
- 4-32 Oak Ridge National Laboratory (Kiggans, Jim -- Investigation of Metallic Lithium Anode and Graphite Current Collector for Advanced Batteries / Exploratory Battery Research
- 12-77 Oak Ridge National Laboratory (Kircher, Andrew -- Solder Joints of Power Electronics / Propulsion Materials
- 13-6 Oak Ridge National Laboratory (Kranendonk, Laura -- Health Impacts Unregulated Emissions from Emerging Technologies / Health Impacts
- 11-120 Oak Ridge National Laboratory (Kunc, V. -- Predictive Modeling of Polymer Composites / Lightweight Materials
- 10-39 Oak Ridge National Laboratory (Lance, Michael -- NPBF Effects and Enhancements on Engine Emission Control Technologies / Fuels Technologies
- 12-20 Oak Ridge National Laboratory (Lara-Curzio, Edgar -- Durability of Diesel Engine Particulate Filters / Propulsion Materials

- 12-35 Oak Ridge National Laboratory (Lara-Curzio, Edgar -- High-Temperature Materials Laboratory / Propulsion Materials
- 10-6 Oak Ridge National Laboratory (Lewis, Sam -- APBF Fuel Effects on Advanced Combustion Regimes / Fuels Technologies
- 10-37 Oak Ridge National Laboratory (Lewis, Sam -- NPBF Characteristics Effects on Advanced Combustion Engines / Fuels Technologies
- 10-39 Oak Ridge National Laboratory (Lewis, Sam -- NPBF Effects and Enhancements on Engine Emission Control Technologies / Fuels Technologies
- 13-6 Oak Ridge National Laboratory (Lewis, Sam -- Health Impacts Unregulated Emissions from Emerging Technologies / Health Impacts
- 12-49 Oak Ridge National Laboratory (Lin, H.T. -- Lightweight Valve Train Materials (Titanium) / Propulsion Materials
- 12-63 Oak Ridge National Laboratory (Lin, H.T. -- Mechanical Reliability of Piezo-Stack Actuators / Propulsion Materials
- 5-15 Oak Ridge National Laboratory (Marlino, Laura -- Current Source Inverter / Advanced Power Electronics
- 5-34 Oak Ridge National Laboratory (Marlino, Laura -- Uncluttered Rotor PM Machine, Axially Excited Electro-Magnetics Synchronous Rotor Motor, Application of Concentrated Windings to Electric Motors, Amorphous Core Material Evaluation, and Magnetic Material for PM Motors / Advanced Power Electronics
- 5-37 Oak Ridge National Laboratory (Marlino, Laura -- Utilizing the Traction Drive PE System to Provide Plug-In Capability for HEVs / Advanced Power Electronics
- 12-5 Oak Ridge National Laboratory (Maziasz, Phil -- Austenitic Stainless Steel Alloys of Exhaust Components / Propulsion Materials
- 12-52 Oak Ridge National Laboratory (Maziasz, Phil -- Materials for Advanced Engine Valve Train / Propulsion Materials
- 5-34 Oak Ridge National Laboratory (McKeever, John -- Uncluttered Rotor PM Machine, Axially Excited Electro-Magnetics Synchronous Rotor Motor, Application of Concentrated Windings to Electric Motors, Amorphous Core Material Evaluation, and Magnetic Material for PM Motors / Advanced Power Electronics
- 12-15 Oak Ridge National Laboratory (Moses-DeBusk, M. -- Catalysts via First Principles / Propulsion Materials
- 12-55 Oak Ridge National Laboratory (Muralidharan, G. -- Materials for HCCI Engines / Propulsion Materials
- 12-77 Oak Ridge National Laboratory (Muralidharan, G. -- Solder Joints of Power Electronics / Propulsion Materials



- 12-15 Oak Ridge National Laboratory (Narula, C.K. -- Catalysts via First Principles / Propulsion Materials
- 5-19 Oak Ridge National Laboratory (Olszewski, Mitch -- Direct-Cooled Power Electronics Substrate / Advanced Power Electronics
- 5-32 Oak Ridge National Laboratory (Olszewski, Mitch -- Technology Benchmarking / Advanced Power Electronics
- 5-4 Oak Ridge National Laboratory (Ozpineci, Burak -- Active Filter Approach to the Reduction of the DC Link Capacitor / Advanced Power Electronics
- 5-6 Oak Ridge National Laboratory (Ozpineci, Burak -- Advanced Converter Systems for High-Temperature HEV Environments / Advanced Power Electronics
- 5-39 Oak Ridge National Laboratory (Ozpineci, Burak -- Wide Bandgap Materials / Advanced Power Electronics
- 12-77 Oak Ridge National Laboratory (Ozpineci, Burak -- Solder Joints of Power Electronics / Propulsion Materials
- 4-32 Oak Ridge National Laboratory (Park, Sea Hoon -- Investigation of Metallic Lithium Anode and Graphite Current Collector for Advanced Batteries / Exploratory Battery Research
- 9-25 Oak Ridge National Laboratory (Parks, Jim -- Controlling NOx from Multi-Mode Lean DI Engines / Emission Control/Aftertreatment
- 9-45 Oak Ridge National Laboratory (Parks, Jim -- Measurement and Characterization of Lean NOx Adsorber Regeneration and Desulfation / Emission Control/Aftertreatment
- 9-61 Oak Ridge National Laboratory (Parks, Jim -- NOx Aftertreatment CRADA with Cummins / Emission Control/Aftertreatment
- 13-6 Oak Ridge National Laboratory (Parks, Jim -- Health Impacts Unregulated Emissions from Emerging Technologies / Health Impacts
- 9-61 Oak Ridge National Laboratory (Partridge, Bill -- NOx Aftertreatment CRADA with Cummins / Emission Control/Aftertreatment
- 12-70 Oak Ridge National Laboratory (Pawel, S.J. -- Power Electronics Materials Compatibility / Propulsion Materials
- 12-47 Oak Ridge National Laboratory (Phillips, Nate -- Life Prediction for Diesel Engine Components / Propulsion Materials
- 12-66 Oak Ridge National Laboratory (Phillips, Nate -- Non-Destructive Evaluation of Diesel Components / Propulsion Materials
- 7-68 Oak Ridge National Laboratory (Pihl, Josh -- Stretch Efficiency -- Thermodynamic Analysis of New Combustion Regimes / Combustion Research

- 9-57 Oak Ridge National Laboratory (Pihl, Josh -- NOx Adsorber R&D (CRADA between ORNL and International Truck and Engine Company) / Emission Control/Aftertreatment
- 9-25 Oak Ridge National Laboratory (Prikhodko, Vitaly -- Controlling NOx from Multi-Mode Lean DI Engines / Emission Control/Aftertreatment
- 7-7 Oak Ridge National Laboratory (Qualls, A. Lou -- Achieving/Demonstrating FreedomCAR/ACEC Efficiency Goal / Combustion Research
- 7-68 Oak Ridge National Laboratory (Qualls, A. Lou -- Stretch Efficiency -- Thermodynamic Analysis of New Combustion Regimes / Combustion Research
- 11-46 Oak Ridge National Laboratory (Santella, Mike -- Friction Stir-Spot Welding of AHSS / Lightweight Materials
- 12-20 Oak Ridge National Laboratory (Shyam, Amit -- Durability of Diesel Engine Particulate Filters / Propulsion Materials
- 12-55 Oak Ridge National Laboratory (Sikka, V.K. -- Materials for HCCI Engines / Propulsion Materials
- 11-36 Oak Ridge National Laboratory (Simunovic, Srdjan -- Dynamic Characterization of Spot Welds in AHSS / Lightweight Materials
- 11-134 Oak Ridge National Laboratory (Simunovic, Srdjan -- Strain-Rate Characterization/Strain-Rate Characterization Technology Development / Lightweight Materials
- 12-85 Oak Ridge National Laboratory (Singh, David -- Thermoelectrics Materials by Design, Computational Theory and Structure / Propulsion Materials
- 11-36 Oak Ridge National Laboratory (Sklad, Phil -- Dynamic Characterization of Spot Welds in AHSS / Lightweight Materials
- 11-46 Oak Ridge National Laboratory (Sklad, Phil -- Friction Stir-Spot Welding of AHSS / Lightweight Materials
- 11-134 Oak Ridge National Laboratory (Sklad, Phil -- Strain-Rate Characterization/Strain-Rate Characterization Technology Development / Lightweight Materials
- 10-6 Oak Ridge National Laboratory (Sluder, Scott -- APBF Fuel Effects on Advanced Combustion Regimes / Fuels Technologies
- 10-37 Oak Ridge National Laboratory (Sluder, Scott -- NPBF Characteristics Effects on Advanced Combustion Engines / Fuels Technologies
- 10-39 Oak Ridge National Laboratory (Sluder, Scott -- NPBF Effects and Enhancements on Engine Emission Control Technologies / Fuels Technologies
- 14-59 Oak Ridge National Laboratory (Smith, Richard -- PHEV Value Proposition Study / Vehicle Systems and Simulation

- 11-134 Oak Ridge National Laboratory (Starbuck J. Michael -- Strain-Rate Characterization/Strain-Rate Characterization Technology Development / Lightweight Materials
- 12-10 Oak Ridge National Laboratory (Stinton, David -- Carbon Foam Thermal Management / Propulsion Materials
- 10-6 Oak Ridge National Laboratory (Storey, John -- APBF Fuel Effects on Advanced Combustion Regimes / Fuels Technologies
- 10-37 Oak Ridge National Laboratory (Storey, John -- NPBF Characteristics Effects on Advanced Combustion Engines / Fuels Technologies
- 10-39 Oak Ridge National Laboratory (Storey, John -- NPBF Effects and Enhancements on Engine Emission Control Technologies / Fuels Technologies
- 13-6 Oak Ridge National Laboratory (Storey, John -- Health Impacts Unregulated Emissions from Emerging Technologies / Health Impacts
- 10-39 Oak Ridge National Laboratory (Strzelec, Andrea -- NPBF Effects and Enhancements on Engine Emission Control Technologies / Fuels Technologies
- 12-49 Oak Ridge National Laboratory (Sun J.G. -- Lightweight Valve Train Materials (Titanium) / Propulsion Materials
- 10-6 Oak Ridge National Laboratory (Szybist, Jim -- APBF Fuel Effects on Advanced Combustion Regimes / Fuels Technologies
- 10-17 Oak Ridge National Laboratory (Szybist, Jim -- Enhanced Ethanol Engine and Vehicle Efficiency / Fuels Technologies
- 10-37 Oak Ridge National Laboratory (Szybist, Jim -- NPBF Characteristics Effects on Advanced Combustion Engines / Fuels Technologies
- 13-6 Oak Ridge National Laboratory (Szybist, Jim -- Health Impacts Unregulated Emissions from Emerging Technologies / Health Impacts
- 10-34 Oak Ridge National Laboratory (Theiss, Tim -- Non-Petroleum Based Fuels Intermediate Ethanol Blends / Fuels Technologies
- 10-17 Oak Ridge National Laboratory (Thomas, John -- Enhanced Ethanol Engine and Vehicle Efficiency / Fuels Technologies
- 10-34 Oak Ridge National Laboratory (Thomas, John -- Non-Petroleum Based Fuels Intermediate Ethanol Blends / Fuels Technologies
- 4-32 Oak Ridge National Laboratory (Tiegs, Terry -- Investigation of Metallic Lithium Anode and Graphite Current Collector for Advanced Batteries / Exploratory Battery Research
- 5-6 Oak Ridge National Laboratory (Tolbert, Leon -- Advanced Converter Systems for High-Temperature HEV Environments / Advanced Power Electronics

- 9-57 Oak Ridge National Laboratory (Toops, Todd -- NOx Adsorber R&D (CRADA between ORNL and International Truck and Engine Company) / Emission Control/Aftertreatment
- 10-23 Oak Ridge National Laboratory (Toops, Todd -- Fuel & Lubricant Effects on Advanced Emission Ctls, Aging Mechanisms, & Rapid Aging Protocols / Fuels Technologies
- 10-39 Oak Ridge National Laboratory (Toops, Todd -- NPBF Effects and Enhancements on Engine Emission Control Technologies / Fuels Technologies
- 7-4 Oak Ridge National Laboratory (Wagner, Robert -- Achieving High-Efficiency Clean Combustion in Multi-Cylinder Light-Duty Engines / Combustion Research
- 7-7 Oak Ridge National Laboratory (Wagner, Robert -- Achieving/Demonstrating FreedomCAR/ACEC Efficiency Goal / Combustion Research
- 7-65 Oak Ridge National Laboratory (Wagner, Robert -- Spark-Assisted HCCI Control / Combustion Research
- 10-17 Oak Ridge National Laboratory (Wagner, Robert -- Enhanced Ethanol Engine and Vehicle Efficiency / Fuels Technologies
- 10-37 Oak Ridge National Laboratory (Wagner, Robert -- NPBF Characteristics Effects on Advanced Combustion Engines / Fuels Technologies
- 12-63 Oak Ridge National Laboratory (Wang, Hong -- Mechanical Reliability of Piezo-Stack Actuators / Propulsion Materials
- 12-92 Oak Ridge National Laboratory (Wang, Hsin -- Thermoelectrics Materials by Design, Mechanical Reliability / Propulsion Materials
- 11-5 Oak Ridge National Laboratory (Warren, David -- Advanced Oxidation of Carbon-Fiber Precursors / Lightweight Materials
- 11-8 Oak Ridge National Laboratory (Warren, David -- Advanced Stabilization of Carbon-Fiber Precursors / Lightweight Materials
- 11-27 Oak Ridge National Laboratory (Warren, David -- Development of Next Generation P4 / Lightweight Materials
- 11-65 Oak Ridge National Laboratory (Warren, David -- LCCF Bluestar MA-PAN / Lightweight Materials
- 11-68 Oak Ridge National Laboratory (Warren, David -- LCCF Commercialization of Textile Precursor Company X / Lightweight Materials
- 11-71 Oak Ridge National Laboratory (Warren, David -- LCCF FISIPE VA-PAN Development / Lightweight Materials
- 11-74 Oak Ridge National Laboratory (Warren, David -- LCCF Precursor and Fiber Evaluation / Lightweight Materials
- 11-77 Oak Ridge National Laboratory (Warren, David -- LCCF Precursors / Lightweight Materials



- 12-13 Oak Ridge National Laboratory (Watkins, Thomas -- Catalyst Characterization / Propulsion Materials
- 12-20 Oak Ridge National Laboratory (Watkins, Thomas -- Durability of Diesel Engine Particulate Filters / Propulsion Materials
- 12-22 Oak Ridge National Laboratory (Wereszczak, Andrew -- Environmental Effects on Power Electronics / Propulsion Materials
- 12-63 Oak Ridge National Laboratory (Wereszczak, Andrew -- Mechanical Reliability of Piezo-Stack Actuators / Propulsion Materials
- 12-92 Oak Ridge National Laboratory (Wereszczak, Andrew -- Thermoelectrics Materials by Design, Mechanical Reliability / Propulsion Materials
- 10-17 Oak Ridge National Laboratory (West, Brian -- Enhanced Ethanol Engine and Vehicle Efficiency / Fuels Technologies
- 10-34 Oak Ridge National Laboratory (West, Brian -- Non-Petroleum Based Fuels Intermediate Ethanol Blends / Fuels Technologies
- 5-19 Oak Ridge National Laboratory (Wiles, Randy -- Direct-Cooled Power Electronics Substrate / Advanced Power Electronics
- 12-70 Oak Ridge National Laboratory (Wilson, D.F. -- Power Electronics Materials Compatibility / Propulsion Materials
- 16-12 Ohio State University (Guezennec, Yann -- GATE Center for Advanced Automotive Propulsion / Technology Integration/Education
- 9-34 Pacific Northwest National Laboratory (Gallant, Tom -- Diesel Soot Filter Characterization and Modeling for Advanced Substrates (CRADA with DOW Automotive) / Emission Control/Aftertreatment
- 10-51 Pacific Northwest National Laboratory (Gallant, Tom -- Unconventional Hydrocarbon Fuels / Fuels Technologies
- 11-46 Pacific Northwest National Laboratory (Grant, Glenn -- Friction Stir-Spot Welding of AHSS / Lightweight Materials
- 12-57 Pacific Northwest National Laboratory (Grant, Glenn -- Materials for HECC/HCCI Engine Components (Caterpillar) / Propulsion Materials
- 6-11 Pacific Northwest National Laboratory (Hendricks, Terry -- Thermoelectric Analytical Support / Solid State Energy Conversion
- 9-34 Pacific Northwest National Laboratory (Herling, Darrell -- Diesel Soot Filter Characterization and Modeling for Advanced Substrates (CRADA with DOW Automotive) / Emission Control/Aftertreatment

- 9-64 Pacific Northwest National Laboratory (Herling, Darrell -- PNNL CLEERS Activities -Overview / Emission Control/Aftertreatment
- 11-103 Pacific Northwest National Laboratory (Holbery, Jim -- Natural Fiber Composite Retting, Preform Manufacturing, and Molding / Lightweight Materials
- 12-37 Pacific Northwest National Laboratory (Holbery, Jim -- Hydrogen Compatible Materials / Propulsion Materials
- 11-46 Pacific Northwest National Laboratory (Hovanski, Yuri -- Friction Stir-Spot Welding of AHSS / Lightweight Materials
- 9-50 Pacific Northwest National Laboratory (Kim, Do Heui -- Mechanism of Sulfur Poisoning of NOx Adsorber Materials (CRADA with Cummins) / Emission Control/Aftertreatment
- 9-4 Pacific Northwest National Laboratory (King, Dave -- Advanced Combustion Engine Low-Temperature CO and HC Oxidation (CRADA with Caterpillar) / Emission Control/Aftertreatment
- 11-83 Pacific Northwest National Laboratory (Lavender, Curt -- Low Cost Titanium / Lightweight Materials
- 9-4 Pacific Northwest National Laboratory (Li, Liyu -- Advanced Combustion Engine Low-Temperature CO and HC Oxidation (CRADA with Caterpillar) / Emission Control/Aftertreatment
- 9-4 Pacific Northwest National Laboratory (Male, Jonathan -- Advanced Combustion Engine Low-Temperature CO and HC Oxidation (CRADA with Caterpillar) / Emission Control/Aftertreatment
- 9-70 Pacific Northwest National Laboratory (Male, Jonathan -- Urea SCR Fundamentals / Emission Control/Aftertreatment
- 9-50 Pacific Northwest National Laboratory (Muntean, George -- Mechanism of Sulfur Poisoning of NOx Adsorber Materials (CRADA with Cummins) / Emission Control/Aftertreatment
- 11-120 Pacific Northwest National Laboratory (Nguyen, B.N. -- Predictive Modeling of Polymer Composites / Lightweight Materials
- 11-97 Pacific Northwest National Laboratory (Nyberg, Eric -- Magnesium Research and Technology Development / Lightweight Materials
- 12-30 Pacific Northwest National Laboratory (Paxton, Dean -- Fatigue Enhancements by Shock Peening (Cummins) / Propulsion Materials
- 9-10 Pacific Northwest National Laboratory (Peden, Charles -- Characterization of Aging Mechanisms in Advanced Catalysts for SCR of NOx with Urea / Emission Control/Aftertreatment
- 9-13 Pacific Northwest National Laboratory (Peden, Charles -- CLEERS Diesel Soot Filter Characterization / Emission Control/Aftertreatment

- 9-32 Pacific Northwest National Laboratory (Peden, Charles -- Degradation Mechanisms in Advanced Catalysts for Urea SCR (CRADA with General Motors) / Emission Control/Aftertreatment
- 9-50 Pacific Northwest National Laboratory (Peden, Charles -- Mechanism of Sulfur Poisoning of NOx Adsorber Materials (CRADA with Cummins) / Emission Control/Aftertreatment
- 9-53 Pacific Northwest National Laboratory (Peden, Charles -- NOx Adsorber Fundamentals / Emission Control/Aftertreatment
- 9-4 Pacific Northwest National Laboratory (Rappe, Ken -- Advanced Combustion Engine Low-Temperature CO and HC Oxidation (CRADA with Caterpillar) / Emission Control/Aftertreatment
- 11-11 Pacific Northwest National Laboratory (Smith, Mark -- Characterization of Thermomechanical Behavior of TRIP Steels / Lightweight Materials
- 11-83 Pacific Northwest National Laboratory (Smith, Mark -- Low Cost Titanium / Lightweight Materials
- 11-97 Pacific Northwest National Laboratory (Smith, Mark -- Magnesium Research and Technology Development / Lightweight Materials
- 11-103 Pacific Northwest National Laboratory (Smith, Mark -- Natural Fiber Composite Retting, Preform Manufacturing, and Molding / Lightweight Materials
- 11-120 Pacific Northwest National Laboratory (Smith, Mark -- Predictive Modeling of Polymer Composites / Lightweight Materials
- 11-123 Pacific Northwest National Laboratory (Smith, Mark -- Predictive Modeling of Polymer Composites / Lightweight Materials
- 12-8 Pacific Northwest National Laboratory (Smith, Mark -- Bonding of Materials Using Reactive Nanofoils / Propulsion Materials
- 11-11 Pacific Northwest National Laboratory (Sun, Xin -- Characterization of Thermomechanical Behavior of TRIP Steels / Lightweight Materials
- 11-39 Pacific Northwest National Laboratory (Sun, Xin -- Enhanced Resonance Inspection for Light-Metal Castings / Lightweight Materials
- 12-8 Pacific Northwest National Laboratory (Sun, Xin -- Bonding of Materials Using Reactive Nanofoils / Propulsion Materials
- 16-27 Pennsylvania State University (Anstrom, Joel -- GATE Center for In-Vehicle High Power Energy Storage Systems / Technology Integration/Education
- 10-20 Reaction Design (Meeks, Ellen -- Experimental and Modeling Studies of the Characteristics of Liquid Biofuels for Enhanced Combustion / Fuels Technologies



- 10-20 Reaction Design (Modak, Abhijit -- Experimental and Modeling Studies of the Characteristics of Liquid Biofuels for Enhanced Combustion / Fuels Technologies
- 10-20 Reaction Design (Naik, Chitral -- Experimental and Modeling Studies of the Characteristics of Liquid Biofuels for Enhanced Combustion / Fuels Technologies
- 10-20 Reaction Design (Puduppakkam, Karthik -- Experimental and Modeling Studies of the Characteristics of Liquid Biofuels for Enhanced Combustion / Fuels Technologies
- 10-20 Reaction Design (Westbrook, Charlie -- Experimental and Modeling Studies of the Characteristics of Liquid Biofuels for Enhanced Combustion / Fuels Technologies
- 10-48 Robert Bosch, LLC (Yilmaz, Hakan -- Optimally Controlled Flexible Fuel Powertrain System (E85 Optimized) / Fuels Technologies
- 7-48 Sandia National Laboratories (Colban, Will -- Light-Duty Combustion Modeling (UWI) / Combustion Research
- 7-11 Sandia National Laboratories (Dec, John -- Advanced HCCI Engine Combustion Fundamentals / Combustion Research
- 5-22 Sandia National Laboratories (Dirk, Shawn -- High-Temperature Capacitor R&D / Advanced Power Electronics
- 7-48 Sandia National Laboratories (Ekoto, Isaac -- Light-Duty Combustion Modeling (UWI) / Combustion Research
- 7-11 Sandia National Laboratories (Hwang, Wontae -- Advanced HCCI Engine Combustion Fundamentals / Combustion Research
- 7-57 Sandia National Laboratories (Kaiser, Sebastian -- Sandia Hydrogen Combustion Research / Combustion Research
- 9-21 Sandia National Laboratories (Larson, Richard -- CLEERS: Benchmark Kinetics for NOx Adsorbers and Catalyzed DPF / Emission Control/Aftertreatment
- 7-48 Sandia National Laboratories (Miles, Paul -- Light-Duty Combustion Modeling (UWI) / Combustion Research
- 7-61 Sandia National Laboratories (Miles, Paul -- Small Bore Advanced Combustion Engine R&D / Combustion Research
- 11-106 Sandia National Laboratories (Moore, David -- NDE Inspection of Adhesive bonds in Metal-Metal Joints / Lightweight Materials
- 10-25 Sandia National Laboratories (Mueller, Chuck -- Fuel Effects on Advanced Combustion / Fuels Technologies
- 7-27 Sandia National Laboratories (Musculus, Mark -- Heavy-Duty Combustion Modeling / Combustion Research



- 7-30 Sandia National Laboratories (Musculus, Mark -- Heavy-Duty, Low-Temperature, and Diesel Combustion Research / Combustion Research
- 7-45 Sandia National Laboratories (Oefelein, Joe -- LES Applied To LTC/Diesel/Hydrogen Combustion / Combustion Research
- 7-51 Sandia National Laboratories (Pickett, Lyle -- Low-Temperature Diesel Combustion Cross-Cut Research / Combustion Research
- 2-4 Sandia National Laboratories (Roth, Pete -- Abuse Tolerance Improvement / Applied Battery Research
- 3-4 Sandia National Laboratories (Roth, Pete -- Abuse Testing of High-Power Batteries / Battery Development, Testing, Simulation, Analysis
- 7-11 Sandia National Laboratories (Sjoberg, Magnus -- Advanced HCCI Engine Combustion Fundamentals / Combustion Research
- 7-14 Sandia National Laboratories (Steeper, Richard -- Automotive HCCI Engine Research / Combustion Research
- 2-41 Sandia National Laboratories (Thomas, Ed -- Life Validation Testing Protocol Development / Applied Battery Research
- 7-33 Sandia National Laboratories (Van Blarigan, Peter -- Hydrogen Free-Piston Engine / Combustion Research
- 7-72 Stanford University (Edwards, Chris -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 7-72 Stanford University (Gerdes, Chris -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 7-14 Stanford University (Hanson, Ron -- Automotive HCCI Engine Research / Combustion Research
- 4-51 State University of New York-Binghamton (Whittingham, S -- Nano-Structured Materials as Anodes / Exploratory Battery Research
- 4-96 State University of New York-Binghamton (Whittingham, S -- Synthesis and Characterization of Substituted Olivines and Layered Manganese Oxides / Exploratory Battery Research
- 4-62 Stony Brook University (Grey, Clare -- Olivine and Layered Materials (Characterization, Rate Performance, and Stability) / Exploratory Battery Research
- 7-39 Texas A&M University (Caton, Jerry -- Improved Engine Design Concepts Using the Second Law of Thermodynamics / Combustion Research
- 12-10 ThermalCentric (Straatman, Tony -- Carbon Foam Thermal Management / Propulsion Materials



- 12-10 ThermalCentric (Thompson, Brian -- Carbon Foam Thermal Management / Propulsion Materials
- 12-10 ThermalCentric (Yu, Qijun -- Carbon Foam Thermal Management / Propulsion Materials
- 11-33 TRC/NCMS (Mehta, Manish -- Die-Face Engineering Project for Advanced Sheet-Forming Materials / Lightweight Materials
- 11-18 U.S. Department of Energy (Carpenter, Joe -- Cost Modeling / Lightweight Materials
- 5-8 U.S. Department of Energy (Rogers, Susan -- Advanced Power Electronics and Electric Motors R&D / Advanced Power Electronics
- 3-28 U.S. Navy (Barnes, Jim -- Interagency Agreement with Navy-Technology Assessment (NSWC) / Battery Development, Testing, Simulation, Analysis
- 16-18 University of Alabama Birmingham (Andrews, J. Barry -- GATE Center for Advanced Lightweight Materials / Technology Integration/Education
- 16-18 University of Alabama Birmingham (Vaida, Uday -- GATE Center for Advanced Lightweight Materials / Technology Integration/Education
- 4-14 University of California at Berkeley (Newman, John -- Design of PHEVs and Electrolyte Properties / Exploratory Battery Research
- 7-72 University of California Berkeley (Chen, Jyh-Yuan -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 7-72 University of California Berkeley (Dibble, Robert -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 16-24 University of California Davis (Cunningham, Joshua -- GATE Center for Fuel Cell Hydrogen Hybrid Vehicles / Technology Integration/Education
- 16-24 University of California Davis (Erickson, Paul -- GATE Center for Fuel Cell Hydrogen Hybrid Vehicles / Technology Integration/Education
- 16-24 University of California Davis (Sperling, Dan -- GATE Center for Fuel Cell Hydrogen Hybrid Vehicles / Technology Integration/Education
- 4-54 University of Colorado, Boulder (Lee, Se-Hee -- Nano-Structured Metal Oxide Films / Exploratory Battery Research
- 9-41 University of Houston (Balakotaiah, Vemuri -- Kinetic and Performance Studies of the Regeneration Phase of Model PT/RH/Ba NOx Traps / Emission Control/Aftertreatment
- 9-41 University of Houston (Harold, Mike -- Kinetic and Performance Studies of the Regeneration Phase of Model PT/RH/Ba NOx Traps / Emission Control/Aftertreatment

- 5-13 University of Illinois Chicago (Mazumder, Sudip -- Bi-Directional DC-DC Converter / Advanced Power Electronics
- 16-9 University of Illinois Urbana Champaign (Hansen, Alan -- GATE Center for Advanced Automotive Biofuels / Technology Integration/Education
- 16-9 University of Illinois Urbana Champaign (Kyritsis, Dimitrios -- GATE Center for Advanced Automotive Biofuels / Technology Integration/Education
- 16-9 University of Illinois Urbana Champaign (Lee, Chia-Fon -- GATE Center for Advanced Automotive Biofuels / Technology Integration/Education
- 9-37 University of Kentucky (Crocker, Mark -- Investigation of Aging Mechanisms in Lean NOx Traps / Emission Control/Aftertreatment
- 7-72 University of Michigan (Assanis, Dennis -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 7-72 University of Michigan (Babajimopolous, Aris -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 7-72 University of Michigan (Filipi, Zoran -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 7-72 University of Michigan (Im, Hong -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 7-72 University of Michigan (Lavoie, George -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 4-44 University of Michigan (Sastry, Ann Marie -- Microscale Electrode Design Using Coupled Kinetic, Thermal, and Mechanical Modeling / Exploratory Battery Research
- 4-44 University of Michigan (Wang, Chia-Wei -- Microscale Electrode Design Using Coupled Kinetic, Thermal, and Mechanical Modeling / Exploratory Battery Research
- 7-72 University of Michigan (Wooldridge, Margaret -- University Consortium on Low-Temperature Combustion for High-Efficiency, Ultra Low Emission Engines / Combustion Research
- 16-30 University of Michigan Dearborn (Mallick, P.K. -- GATE Center for Lightweighting Automotive Materials and Processing / Technology Integration/Education
- 7-57 University of New Hampshire (White, Christopher -- Sandia Hydrogen Combustion Research / Combustion Research
- 11-36 University of South Carolina (Chao, Y.J. -- Dynamic Characterization of Spot Welds in AHSS / Lightweight Materials
- 10-20 University of Southern California (Egolfopolous, Fokion -- Experimental and Modeling Studies of the Characteristics of Liquid Biofuels for Enhanced Combustion / Fuels Technologies



- 10-20 University of Southern California (Tsotsis, Theo -- Experimental and Modeling Studies of the Characteristics of Liquid Biofuels for Enhanced Combustion / Fuels Technologies
- 10-23 University of Tennessee (Foster, Adam -- Fuel & Lubricant Effects on Advanced Emission Ctls, Aging Mechanisms, & Rapid Aging Protocols / Fuels Technologies
- 10-23 University of Tennessee (Nguyen, Ke -- Fuel & Lubricant Effects on Advanced Emission Ctls, Aging Mechanisms, & Rapid Aging Protocols / Fuels Technologies
- 10-23 University of Tennessee (Ottinger, Nathan -- Fuel & Lubricant Effects on Advanced Emission Ctls, Aging Mechanisms, & Rapid Aging Protocols / Fuels Technologies
- 10-23 University of Tennessee (Youngquist, Adam -- Fuel & Lubricant Effects on Advanced Emission Ctls, Aging Mechanisms, & Rapid Aging Protocols / Fuels Technologies
- 16-15 University of Tennessee Knoxville (Irick, David -- GATE Center for Advanced Hybrid Propulsion and Control Systems / Technology Integration/Education
- 4-77 University of Texas at Austin (Goodenough, J. -- Performance Enhancement of Cathodes with Conductive Polymers / Exploratory Battery Research
- 8-47 University of Texas at Austin (Hall, Matt -- On-Board Engine Exhaust Particulate Matter Sensor / High Efficiency Clean Combustion
- 4-77 University of Texas at Austin (Huang, Y-H -- Performance Enhancement of Cathodes with Conductive Polymers / Exploratory Battery Research
- 4-89 University of Texas at Austin (Manthiram, Arumugam -- Stabilized Spinels and Nano Olivines / Exploratory Battery Research
- 8-47 University of Texas at Austin (Matthews, Ron -- On-Board Engine Exhaust Particulate Matter Sensor / High Efficiency Clean Combustion
- 4-48 University of Utah (Borodin, Oleg -- Molecular Dynamics Simulation Studies of Electrolytes and Electrolyte-Electrode Interfaces / Exploratory Battery Research
- 4-48 University of Utah (Smith, Grant -- Molecular Dynamics Simulation Studies of Electrolytes and Electrolyte-Electrode Interfaces / Exploratory Battery Research
- 7-48 University of Wisconsin (Bergin, Mike -- Light-Duty Combustion Modeling (UWI) / Combustion Research
- 7-54 University of Wisconsin (Farrell, P. -- Optimizing Low-Temperature Diesel Combustion / Combustion Research
- 7-54 University of Wisconsin (Foster, David -- Optimizing Low-Temperature Diesel Combustion / Combustion Research
- 7-54 University of Wisconsin (Ghandhi, J. -- Optimizing Low-Temperature Diesel Combustion / Combustion Research



- 7-24 University of Wisconsin (Hessel, Randy -- HCCI Engine Research and Modeling / Combustion Research
- 7-48 University of Wisconsin (Park, Sung Wook -- Light-Duty Combustion Modeling (UWI) / Combustion Research
- 7-48 University of Wisconsin (Ra, Youngchul -- Light-Duty Combustion Modeling (UWI) / Combustion Research
- 7-48 University of Wisconsin (Reitz, Rolf -- Light-Duty Combustion Modeling (UWI) / Combustion Research
- 7-54 University of Wisconsin (Reitz, Rolf -- Optimizing Low-Temperature Diesel Combustion / Combustion Research
- 7-54 University of Wisconsin (Rutland, Chris -- Optimizing Low-Temperature Diesel Combustion / Combustion Research
- 7-54 University of Wisconsin (Sanders, S. -- Optimizing Low-Temperature Diesel Combustion / Combustion Research
- 5-13 US Hybrid Corporation (Goodarzi, Abas -- Bi-Directional DC-DC Converter / Advanced Power Electronics
- 3-8 USABC (Habab, Ahsan -- High-Power Electrochemical Storage Devices and Plug-in Hybrid Electric Vehicle Battery Development / Battery Development, Testing, Simulation, Analysis
- 16-21 Virginia Tech (Ellis, Mike -- GATE Center for Automotive Fuel Cell Systems / Technology Integration/Education
- 5-29 Virginia Tech (Lai, Jason -- Soft Switching Inverter for Reducing Switching and Power Losses / Advanced Power Electronics
- 16-21 Virginia Tech (Nelson, Doug -- GATE Center for Automotive Fuel Cell Systems / Technology Integration/Education
- 8-7 Westport Innovations (Huang, Jim -- Development of a Robust Accelerometer- Based Start of Combustion-Sensing System / High Efficiency Clean Combustion

