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

Cross-Reference, Sorted by Project Investigator

Page Principal Investigator (Organization) – Project Title / Session

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

Cross-Reference, Sorted by Organization

Page Organization (Principal Investigator) – Project Title / Session

7-20 Argonne National Laboratory (Longman, Doug -- Fuel Spray Research Using Advanced Photon Source / Combustion Research

14-25 Argonne National Laboratory (Pagerit, Sylvain -- GM Cooperative Research and Development Agreement / Vehicle Systems and Simulation

14-27 Argonne National Laboratory (Pagerit, Sylvain -- Government Performance and Results Act and Multipath / Vehicle Systems and Simulation

14-50 Argonne National Laboratory (Pagerit, Sylvain -- PHEV Component Sizing / Vehicle Systems and Simulation

14-52 Argonne National Laboratory (Pagerit, Sylvain -- PHEV Control Impact and Optimization / Vehicle Systems and Simulation

11-14 Argonne National Laboratory (Pomykala, Joe -- Compatibilization/Compounding Evaluation of Recovered Polymers / Lightweight Materials

11-113 Argonne National Laboratory (Pomykala, Joe -- Post-Shred Materials Recovery Technology Development and Demonstration / Lightweight Materials

7-20 Argonne National Laboratory (Powell, Christopher -- Fuel Spray Research Using Advanced Photon Source / Combustion Research

2-34 Argonne National Laboratory (Prezas, P. -- Life Validation Testing Protocol Development / Applied Battery Research

3-41 Argonne National Laboratory (Prezas, P. -- Testing USABC Deliverables/Benchmarking / Battery Development, Testing, Simulation, Analysis

14-25 Argonne National Laboratory (Rousseau, Aymeric -- GM Cooperative Research and Development Agreement / Vehicle Systems and Simulation

14-27 Argonne National Laboratory (Rousseau, Aymeric -- Government Performance and Results Act and Multipath / Vehicle Systems and Simulation

14-50 Argonne National Laboratory (Rousseau, Aymeric -- PHEV Component Sizing / Vehicle Systems and Simulation

14-52 Argonne National Laboratory (Rousseau, Aymeric -- PHEV Control Impact and Optimization / Vehicle Systems and Simulation

12-44 Argonne National Laboratory (Routbort, Jules -- Joining of Advanced Materials by Plasticity / Propulsion Materials

12-75 Argonne National Laboratory (Routbort, Jules -- Residual Stress / Propulsion Materials

12-87 Argonne National Laboratory (Routbort, Jules -- Thermoelectrics Materials by Design, Diamond-Based Thermoelectric materials / Propulsion Materials

14-20 Argonne National Laboratory (Routbort, Jules -- Erosion of Advanced Radiator Materials / Vehicle Systems and Simulation

11-90 Chrysler LLC (McCarty, Eric -- Magnesium Front-End R&D / Lightweight Materials

11-94 Chrysler LLC (McCarty, Eric -- Magnesium Powertrain Cast Components / Lightweight Materials

11-100 Chrysler LLC (McCarty, Eric -- Multi-Material Vehicle / Lightweight Materials

11-117 Chrysler LLC (McCarty, Eric -- Powder Metal Performance Modeling of Automotive Components / Lightweight Materials

11-140 Chrysler LLC (McCarty, Eric -- Ultra-Large Casting Demonstrations / Lightweight Materials

11-143 Chrysler LLC (McCarty, Eric -- Warm-Forming Magnesium Sheet / Lightweight Materials

11-21 Chrysler LLC (Olszewski, Gerry -- Crash Energy Management / Lightweight Materials

11-43 Chrysler LLC (Olszewski, Gerry -- Focal Project 4 – Floor Pan / Lightweight Materials

11-59 Chrysler LLC (Olszewski, Gerry -- High-Volume Processing of Composites / Lightweight Materials

11-110 Chrysler LLC (Olszewski, Gerry -- P4 Preform / Lightweight Materials

15-9 Clean Vehicle Education Foundation' (Seiff, Hank -- CNG Cylinder Safety Program / Deployment

4-58 Clemson University (Creager, Stephen -- New Lithium-based Ionic Liquid Electrolytes that Resist Salt Concentration Polarization / Exploratory Battery Research

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

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

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

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

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

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

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

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