EVS 22

KEYWORDS LIST

A. Vehicles & Transportation Systems

A-1.1 Battery Electric Vehicles
A-1.2 Hybrid Electric Vehicles
A-1.3 Fuel Cell Vehicles

A-2.1 Passenger Cars
A-2.2 Light Vehicles
A-2.3 Two- and Three-Wheelers
A-2.4 Heavy Duty Vehicles
A-2.5 Buses
A-2.6 Bicycles
A-2.7 Bikes
A-2.8 Motorcycle

A-3.1 Public Transport
A-3.2 Railway Vehicles, Railway System
A-3.3 Transportation Systems (ITS, etc.)
A-3.4 Boats, Waterborne Transportation
A-3.5 Welfare and Senior Vehicles
A-3.6 Off-Road and Industrial Vehicles
A-3.7 Military Application

B. Rechargeable Energy Storage Systems (RESS)

B-1.1 On-board Energy Storage System
B-1.2 Peak Power Systems

B-2.1 Depth of Discharge (DOD)
B-2.2 State of Charge (SOC)
B-2.3 Cycle Life
B-2.4 Ragone Plot
B-2.5 Energy Density, Wh/kg
B-2.6 Power Density, W/kg

B-3.1 Battery Management System (BMS)
B-3.2 Battery Model
B-3.3 Cell Uniformity
B-3.4 Cell Voltage
B-3.5 Charge, Charging
B-3.6 Fast charge
B-3.7 Charge Equalization
B-3.8 Thermal Management

B-4.1 Battery, Secondary Battery
B-4.2 Flooded Battery
B-4.3 Lead-acid Battery
B-4.4 Valve Regulated Lead-acid (VRLA) Battery
B-4.5 Li-Ion Battery, Lithium Ion Battery
B-4.6 Lithium Metal, Lithium Polymer
B-4.7 Nickel Metal Hydride (Ni-MH)

B-5.1 Battery Pack
B-5.2 Electrolyte
B-5.3 Electrodes

B-6.1 Capacitors
B-6.2 Double-layer Capacitors
B-6.3 Ultra Capacitor, Super Capacitor
B-6.4 Flywheels

C. Drive Systems/ Propulsion Systems

C-1.1 Electric Drive
C-1.2 Power Electronics
C-1.3 Controller, Control System
C-1.4 Inverter
C-1.5 Soft Switching
C-1.6 Converter
C-1.7 DC-DC

C-2.1 Motor
C-2.2 Synchronous Motor
C-2.3 Permanent Magnet Motor
C-2.4 Switching Reluctance Motor
C-2.5 Induction Motor
C-2.6 DC Motor
C-2.7 Wheel Motor, Hub Motor

C-3.1 Control, Measure
C-3.2 Power Assist System (PAS)

D. Propulsion Systems

D-1 Power train
D-2 Transmission
D-3 CVT
D-4 Planetary gear
D-5 Regenerative (ReGen) Brake

E. Auxiliary Systems (Components / Subsystems)

E-1 Components
E-2 DC-DC
E-3 Cooler, Air conditioner
E-4 Electric Power Steering
E-5 Heat exchanger
E-6 Instrumentation

F. HEV / Hybrid System

F-1.1 Series HEVs
F-1.2 Parallel HEVs
F-1.3 Plug-in Hybrid
F-1.4 Grid-connected HEVs

F-2.1 Hybrid Strategy
F-3.1 Torque Splitter

G. FCV & Fuel Cell System

G-1.1 Hydrogen Storage
G-1.2 Hydrogen
G-1.3 Hydrogen Production
G-1.4 Liquid Hydrogen

G-2.1 PEM/PEFC
G-2.2 SOFC
G-2.3 FC Stack

G-3.1 Methanol, Methanol Conversion
G-3.2 Reforming, On-board Reforming

H. Tests& Measurements

H-1 Data Acquisition
H-2 Vehicle Performance
H-3 Range

I. Simulations

I-1 Modeling, Simulation
I-2 Finite Element Calculation

J. Infrastructure (Including Off Board Chargers)

J-1.1 Energy Supply, Energy Supply Infrastructure
J-1.2 Communication Protocol
J-2.1 Hydrogen Production, Hydrogen Storage
J-2.2 Co-generation Systems

J-3.1 Charging Station, Charger
J-3.2 Inductive charger
J-3.3 Conductive Charger

K. Environment

K-1.1 Emissions
K-1.2 Zero Emission Vehicle (ZEV)

K-2.1 Environmental Impact
K-2.2 Life Cycle Analysis

K-3.1 Electromagnetic Compatibility (EMC)

L. Energy

L-1 Primary Energy
L-2 Energy Efficiency, Energy Consumption
L-3 Energy Recovery
L-4 Energy Security
L-5 Recycle, Solar Energy
L-6 Life Cycle Analysis

M. Demonstration&Market Issues

M-1.1 Introduction, Demonstration
M-1.2 Marketing, Market Analysis

M-2.1 Subsidy, Purchase Subsidy
M-2.2 Taxation

M-3.1 Training, Job Creation
M-3.2 Education, Public Education
M-3.3 Fleet, Leasing

N. Policy

N-1.1 Public Policy
N-1.2 Mandate
N-1.3 Promotion
N-1.4 Incentive

N-2.1 Sustainable Mobility
N-2.2 Education, Public Education

N-3.1 Codes, Standards, Legislation, Regulations

O. Others

O-1 Maintenance
O-2 International Networking