

## USCAR United States Council for Automotive Research

The United States Council for Automotive Research (USCAR) was founded in 1992. Its goal is to further strengthen the technology base of the U.S. auto industry through cooperative research and development. Its main focus is to:

- Create, support and direct U.S. cooperative research and development to advance automotive technologies.
- Be responsive to the needs of our environment and society and include the appropriate public and private stakeholders.

USCAR is focused on these specific research areas:

- accelerate technical development,
- provide a common voice to the supply base,
- increase the value of research investments,
- improve quality
- and reduce the cost for noncompetitive technologies and activities.

These goals are often accomplished through partnerships with various stakeholders including the federal government, educational institutions and suppliers.

USCAR demonstrates the power of collaboration. It enables the U.S. automakers to do great things efficiently and effectively. Individually, these same tasks would be far more difficult, potentially redundant, and in many instances, impossible to achieve as quickly by individual companies. Mission: - To develop electrochemical energy storage technologies which support commercialization of fuel cell, hybrid, and electric vehicles.

Strategic Vision: The USABC seeks to promote long-term R&D within the domestic electrochemical energy storage (EES) industry and to maintain a consortium that engages automobile manufacturers, EES manufacturers, the National Laboratories, universities, and other key stakeholders.

Objectives: For high-energy and high power energy storage technologies and models, the USABC shall continue its focus on understanding and addressing the following factors: • Continue development of high-power battery technologies to reduce cost to \$20/kWh and extend life to 15 years. • Develop battery technology to support electric, hybrid and fuel cell vehicles. • Develop ultracapacitor technology for hybrid electric vehicle applications. • Conduct benchmarking activities for both high power and high energy batteries and ultra capacitors to validate technologies. • Publish technical goals and associated test procedures to guide the development of electrochemical energy storage systems. [Click to visit the USCAR Web Site](#)