



## Research Funding Opportunity

Program Title	Electrochemistry and Advanced Energy Conversion – ARL Basic Scientific Research – Research Area 13.2
Solicitation/RFP Code	BAA W911NF-07-R-0001
Funding Organization(s)	U. S. Army Research Laboratory
Funding Amount(s)	Undefined – proposal & area specific
Application Deadlines	Continuous through 30 September 2011

### Program Summary

#### RESEARCH AREA 13 - CHEMISTRY

##### 13.2. Electrochemistry and Advanced Energy Conversion

The Army relies on power sources to support many different weapons systems, communications, and other devices. Power sources under development are primarily batteries and fuel cells, although other high-performance power sources are of interest. This program supports fundamental chemical studies of materials and processes that limit the performance of current or enable future power sources. Topics include ionic conduction in electrolytes, electrocatalysis, fuel processing, interfacial electron transfer, transport through coatings, surface films and polymer electrolytes, and activation of carbon-hydrogen and carbon-carbon bonds. Novel electrochemical synthesis, investigations into the effect of microenvironment on chemical reactivity, and quantitative models of electrochemical systems are also encouraged.

Technical Point of Contact: Dr. Robert A. Mantz, e-mail: [robert.a.mantz@us.army.mil](mailto:robert.a.mantz@us.army.mil), (919) 549-4309.

To view or download the full the full BAA go here: [W911NF-07-R-0001](http://W911NF-07-R-0001)