



# 45<sup>th</sup> POWER SOURCES CONFERENCE

Bally's Hotel, Las Vegas, Nevada

June 11-14, 2012

sponsored by

U.S. Army Research, Development & Engineering Command



Army Power Division  
Command and Control Directorate  
Research Development & Engineering Command

Power and Energy Division  
Sensors and Electronic Devices Directorate  
Army Research Laboratory

in conjunction with  
U.S. Air Force, U.S. Navy, U.S. Marine Corps, Department of Energy, and NASA

## CALL FOR PAPERS

The 45th Power Sources Conference is scheduled to proceed along traditional lines. The meeting will focus on energy generation and storage technology (largely, but not exclusively electrochemical) which is of interest to the DoD, other Government agencies, and to the civilian marketplace. As usual, the orientation will be toward devices, but relevant contributions on materials, mechanisms and power management are very welcome, in addition to contributions on prototype development, manufacturing technology, device and system engineering, and economic and environmental considerations. A Poster Session is also planned for this year. Session topics and organizers are listed but not limited to the following:

### ■ Advanced Materials and Processes

Dr. T. Atwater (Army) (443) 395-4821  
Ms. D. Fuentevilla (Navy) (301) 227-1641  
Dr. A. Pedigo (Navy) (812) 854-2659  
Dr. S. Rodrigues (AF) (937) 255-2848  
Dr. J. Wolfenstine (Army) (301) 394-0317

### ■ Aqueous Batteries (Primary & Secondary)

Dr. J. Fellner (AF) (937) 225-4225  
Dr. R. Corbin (Navy) (812) 854-8227  
Mr. B. Pirani (Navy) (812) 854-4211  
Mr. S. Shah (Army) (443) 395-4795  
Ms. S. Waggoner (Navy) (812) 854-4103

### ■ Battery Safety/Quality/Testing

Dr. J. Allen (Army) (301) 394-0291  
Ms. J. Banner (Navy) (301) 227-1853  
Mr. M. Brundage (Army) (443) 395-4814  
Dr. D. Delafuente (Navy) (812) 854-8170  
Mr. G. Loeber (AF) (937) 255-6564  
Mr. M. Tisher (Navy) (812) 854-5912

### ■ Fuel Cells, Fuel Processing and Storage

Mr. M. Allen (Navy) (301) 342-0868  
Mr. K. Burt (Navy) (812) 854-2139  
Dr. D. Chu (Army) (301) 394-0308  
Mr. T. Dubois (Army) (703) 704-3352  
Mr. C.J. Govar (USMC) (703) 432-3030  
Dr. R. Miller (AF) (937) 255-2880  
Dr. T. Reitz (AF) (937) 255-4275  
Mr. S. Shah (Army) (443) 395-4795  
Mr. M. Rottmayer (AF) (937) 656-7228  
Dr. T. Thampan (Army) (443) 395-4384

### ■ Hybrid Power and Alternate Power Systems

Mr. J. Cristiani (Army) (410) 395-4797  
Ms. M. De Jong (Army) (443) 395-4793  
Lt. N. Ellsworth (AF) (937) 255-8939  
Mr. R. Green (Navy) (812) 854-3086  
Dr. C. Lundgren (ARL) (301) 394-1863  
Dr. R. Miller (AF) (937) 255-2880  
Mr. A. Ohl (Navy) (812) 854-8394  
Mr. C.J. Govar (USMC) (703) 432-3030  
Dr. T. Podlesak (Army) (443) 395-4823  
Dr. T. Tran (Navy) (301) 227-1881

### ■ Molten Salt Batteries (Primary & Secondary)

Dr. M. Ding (Army) (301) 394-0272  
Mr. B. Roth (Navy) (812) 854-2688  
Dr. D. Ryan (AF) (937) 255-2804

Mr. S. Stuart (Navy) (812) 854-5958  
Mr. C. Winchester (Navy) (301) 227-5685

### ■ Capacitors

Dr. R. Jow (Army) (301) 394-0340  
Mr. T. Murphy (DOE) (208) 526-0480  
Mr. B. Newman (Navy) (812) 854-4087  
Dr. D. Ryan (AF) (937) 288-2804  
Dr. P. Smith (Navy) (301) 227-4168  
Mr. L. Welp (Navy) (812) 854-5114

### ■ Batteries Electrolytes and Interfaces

Dr. R. Baldwin (NASA) (216) 433-6156  
Mr. Y. Chan (Army) (410) 278-8955  
Dr. L. Scanlon (AF) (937) 255-2832  
Dr. K. Xu (Army) (301) 394-0321  
Dr. L. Zilch (Navy) (812) 854-2288

### ■ Charging Techniques and State-of-Health Technologies

Mr. Y. Chan (Army) (443) 395-4677  
Mr. M. Hurley (Navy) (301) 995-4559  
Dr. D. Ryan (AF) (937) 255-2804  
Dr. J. Read (Army) (301) 394-0313  
Mr. D. Woolsey (Navy) (812) 854-4083

### ■ Primary Lithium Batteries (incl. Liquid Reserve)

Mr. V. Alminauskas (Navy) (812) 854-4137  
Mr. C. Hurley (Army) (732) 427-4668  
Mr. P. Keller (Navy) (301) 227-1833  
Ms. R. Smith (Navy) (301) 227-5820  
Mr. D. Miller (Navy) (812) 854-1226  
Dr. S. Zhang (Army) (301) 394-0981  
Mr. J. Swank (Army) (301) 394-3116  
Dr. J. Fellner (AF) (937) 255-4225

### ■ Secondary Lithium Batteries/Lithium-Ion Batteries

Dr. J. Barnes (DOE) (202) 586-5657  
Dr. W. Behl (Army) (301) 394-0341  
Ms. L. Cristo (Army) (443) 395-4848  
Dr. J. Fellner (AF) (937) 255-4225  
Mr. D. Kieffner (Navy) (812) 854-4130  
Mr. L. Ruckriegel (Navy) (812) 854-5850  
Mr. C. Hurley (Army) (732) 427-4668

### ■ Metal-Air Batteries

Dr. T. Atwater (Army) (443) 395-4821  
Mr. J. Leonard (Navy) (812) 854-1749  
Dr. C. Patrissi (Navy) (401) 832-4242  
Dr. J. Read (Army) (301) 394-0313  
Dr. S. Rodrigues (AF) (937) 255-2848  
Mr. S. Shah (Army) (443) 395-4795

**THE DEADLINE FOR THE SUBMISSION OF ABSTRACTS IS JANUARY 6, 2012.** Abstracts must not exceed one page and should include title, author(s), affiliation, **complete mailing address, telephone number, fax and e-mail address.** **All author correspondence will be via email.** One additional page of figures may be included. The abstract must clearly state the purpose of the work, the manner and degree to which it advances the state of the art, and specific results that have been obtained and their significance. **Authors are asked to indicate on their abstract which session topic is most closely related to their abstract and if their work may be better suited for Poster presentation.** Please submit your abstract as a MS-Word or pdf file attachment **via email to [gnera@pcm411.com](mailto:gnera@pcm411.com).** **Questions on abstract submission may be directed to:**

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**Attn.: Glenys Natera (PSC)**  
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Authors of papers selected for presentation will be notified via email by February 3, 2012. Accepted authors will be required to prepare an approximately 2000-word 4-page (including figures) camera-ready text for inclusion in the **Conference Proceedings to be distributed at the Conference.** The deadline for submission of papers will be April 6, 2012. Please note that it is the author's responsibility to obtain all required clearances.

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