



44th POWER SOURCES CONFERENCE

The Riviera Hotel, Las Vegas, Nevada

June 14–17, 2010

sponsored by

U.S. Army Research, Development & Engineering Command



Army Power Division
Command and Control Directorate
Communication Electronics Research Development & Engineering Center

Directed Energy and Power Generation 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 44th 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) (732) 427-3549
Ms. D. Fuentesvilla (Navy) (301) 227-1641
Dr. H. Lewis (Navy) (812)854-4104
Dr. S. Rodrigues (AF) (937) 255-2848
Dr. J. Wolfenstine (Army) (301) 394-0317

■ Aqueous Batteries (Primary & Secondary)

Dr. J. Erbacher (AF) (937) 255-2372
Dr. A. Mansour (Navy) (301) 227- 4451
Mr. B. Pirani (Navy) (812) 854-4211
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) (732) 427-3560
Dr. J. Fellner (AF) (937) 255-4225
Mr. G. Loeber (AF) (937) 255-6564
Mr. L. Ruckriegel (Navy) (812) 854-5850
Mr. M. Tisher (Navy) (812) 854-5912

■ Fuel Cells, Fuel Processing and Storage

Dr. D. Chu (Army) (301) 594-0308
Mr. T. Dubois (Army) (703) 704-3352
Mr. C.J. Govar (USMC) (703) 432-3030
Mr. R. Green (Navy) (812) 854-3086
Dr. R. Miller (AF) (937) 255-2880
Dr. T. Reitz (AF) (937) 255-4275
Mr. M. Rottmayer (AF) (937) 255-5582

■ Hybrid Power and Alternate Power Systems

Mr. K. Burt (Navy) (812) 854-2139
Mr. J. Cristiani (Army) (410) 278-9049
Ms. E. Ferry (Army) (410) 278-0286
Dr. C. Lundgren (ARL) (301) 394-1863
Lt. A. Marruffo (AF) (937) 255-8939
Ms. S. Matthews (Army) (703) 704-3361
Dr. T. Tran (Navy) (301) 227-1881

■ Molten Salt Batteries (Primary & Secondary)

Dr. M. Ding (Army) (301) 394-0272
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. J. Martin (Navy) (812) 854-2037
Mr. T. Murphy (DOE) (208) 526-0480
Dr. D. Ryan (AF) (937) 255-2804
Dr. P. Smith (Navy) (301) 227-4168
Mr. L. Welp (Navy) (812) 854-5114

■ Polymer Batteries and Solid-State Technologies

Mr. J. Bailey (Navy) (812) 854-1665
Dr. R. Baldwin (NASA) (216) 433-6156
Mr. Y. Chan (Army) (410) 278-8955
Dr. J. Erbacher (AF) (937) 255-2372
Dr. L. Scanlon (AF) (937) 255-2832
Dr. K. Xu (Army) (301) 394-0321

■ Charging Techniques and State-of-Health Technologies

Mr. G. Au (Army) (732) 427-4886
Mr. J. Roberson (Navy) (812) 854-2865
Dr. D. Ryan (AF) (937) 255-2804
Dr. S. Zhang (Army) (301) 394-0046

■ Primary Lithium Batteries (incl. Liquid Reserve)

Mr. D. Foster (Army) (301) 394-0312
Mr. C. Hurley (Army) (732) 427-4668
Mr. P. Keller (Navy) (301) 227-1833
Mr. D. Kieffner (Navy) (812) 854-4130
Ms. R. Smith (Navy) (301) 227-5820
Mr. J. Swank (Army) (301) 394-3116

■ Secondary Lithium Batteries/Lithium-Ion Batteries

Dr. J. Barnes (DOE) (202) 586-5657
Dr. W. Behl (Army) (301) 394-0341
Ms. L. Cristo (Army) (732) 427-4769
Mr. K. Deckard (Navy) (812) 854-2191
Dr. J. Erbacher (AF) (937) 255-2372
Mr. M. Hurley (Navy) (301) 995-4559
Mr. S. Vukson (AF) (937) 255-5461

■ Metal-Air Batteries

Dr. T. Atwater (Army) (732) 427-3549
Mr. C. Hacker (Navy) (812) 854-5102
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

THE DEADLINE FOR THE SUBMISSION OF ABSTRACTS IS JANUARY 8, 2010. 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 Rnadell@pcm411.com.** **Questions on abstract submission may be directed to:**

**Palisades Convention Management, Inc.
Attn.: Ralph Nadell (PSC)
411 Lafayette Street, Suite 201
New York, NY 10003
(212) 460-8090 x203 / FAX -5460
e-mail: Rnadell@pcm411.com**

Authors of papers selected for presentation will be notified via email by February 5, 2010. 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 2, 2010. Please note that it is the author's responsibility to obtain all required clearances.

Mr. Edward J. Plichta
General Conference Chair
US Army CERDEC
Army Power Division
Fort Monmouth, NJ 07703-5601
(732) 427-2691

Dr. Sol Gilman
Technical Program Co-Chair
US Army Research Laboratory
2800 Powder Mill Road
Adelphi, MD 20783
(301) 721-3445

Ms. Mary Hendrickson
Technical Program Co-Chair
US Army CERDEC
Army Power Division
Fort Monmouth, NJ 07703-5601
(732) 427-4978

Administrative matters should be addressed to Mr. Ralph Nadell, Palisades Convention Management, Inc., 411 Lafayette Street, New York, NY 10003, tel. (212) 460-8090 ext. 203, email Rnadell@pcm411.com.

**CALL FOR PAPERS
44th POWER SOURCES CONFERENCE**

**PALISADES CONVENTION MANAGEMENT, INC.
411 LAFAYETTE STREET, SUITE 201
NEW YORK, NY 10003**