

Past Events - Detail Page

Title: Advanced Automobile Battery Investment Summit
Category: Conference
Location: The Standard Club, 320 S. Plymouth Ct.
Start Date: June 17, 2008
End Date: June 17, 2008
City: Chicago
Description:

Registrations will be accepted at the door

ADVANCED AUTOMOBILE BATTERY INVESTMENT SUMMIT

June 17, 2008

7:30 am – 5:30 pm with Reception following

**The Standard Club
 320 S. Plymouth Court, Chicago, IL**

7:30 – 8:25 am

Registration & Continental Breakfast

8:25 – 8:30 am

**Welcome by ACG Chicago Conference Chair
 James Greenberger, Partner, Reed Smith LLP**

8:30 – 9:40 am

The Basic Science of Advanced Automotive Battery Technology

This session will review the basic science of electric batteries and will outline the principal problems that scientists and companies are working to solve in order to bring electric vehicles (EV's) and plug-in hybrid vehicles (PHEV's) to the mass market. Panelists will discuss the state of the advanced battery science: where we are and where we need to go. The problem of thermal control in lithium batteries, one of the principal barriers to mass market adoption of EV's, will be discussed in length. The head of Argonne National Laboratory's battery technology department will talk about the groundbreaking work being done at Argonne in support of the Department of Energy's FreedomCAR Partnership program.

Introduction of Panel by Moderator

Thomas D. Berman, Partner, **Adams Street Partners, LLC**

Key Problems in Advanced Automobile Batteries

Dr. Michael Thackeray, Argonne Distinguished Fellow, Chemical, Science, and Engineering Division, Argonne National Laboratory

The Lithium Battery Program at Argonne National Laboratory

Gary Henriksen, Manager, Electrochemical Energy Storage, Chemical Sciences & Engineering, Argonne National Laboratory

Thermal Management in Advanced Batteries: The Threshold Barrier to Mass Adaptation?

Prof. Said al-Hallaj, Research Professor, Illinois Institute of Technology

The History and the Future of Electric Vehicles in the Mass Market

Gene Claudell, Former CIO, Tesla Motors

Panel Discussion & Audience Participation

9:40 – 9:50 am

Break

9:50 – 11:20 am

Major Automobile Industry Companies and The Future of EV's and PHEV's

Major automobile and automobile battery companies are looking closely at the market potential for PHEV's and EV's. Their views may determine which of among the competing advanced battery technologies will eventually be adopted. What opportunities might this present for investors? This panel will give investors some ideas.

Introduction of Panel by Moderator

David M. Dolezal, Executive Director, **UBS Investment Bank**

Ted J. Miller, Senior Manager, Energy Storage and Research, **Ford Motor Company**

Pin Ni, President, **Wanxiang America Corporation**

Robert G. Gruenstern, Director, Product Engineering – Americas, **Johnson Control Power Solutions**

Paul E. Boskovitch, Chief Engineer for Advanced Hybrid Systems, **Ricardo Inc.**

Panel Discussion & Audience Participation

11:20 – 11:30 am

Break

11:30 – Noon

Keynote Speaker

Danilo J. Santini, Senior Economist, Center for Transportation Research, Argonne National Laboratory

Dr. Santini will present and summarize the latest findings of Argonne Laboratory's Center for Transportation Research regarding the relative efficiencies and feasibilities of EV's and PHEV's compared to other technologies for minimizing dependence on petroleum fuels in the transportation sector.

Noon – 12:30 pm

Lunch

12:40 – 1:15 pm

Lunch Speaker

Ralph J. Brodd, President, Broddarp of Nevada, Inc.

Dr. Brodd is President of Broddarp of Nevada, Inc., a consulting firm specializing in technology assessment, strategic planning and battery technology, production, and marketing. Dr. Brodd is a long-time expert in battery technology and recently completed a study for the National Institute of Standards and Technology entitled "Why are There No Volume Lithium-Ion Battery Manufacturers in the United States?" Dr. Brodd will discuss the findings of his study and the prospects for growing advanced automobile battery technology companies in the U.S.

1:15 – 1:25 pm

Break

1:25 – 3:30 pm

Lithium Battery Technologies for Automobiles – Opportunities and Challenges

This panel will showcase a number of early and growth stage companies that are actively marketing advanced battery solutions in the transportation sector. Panelists will discuss the different approaches being taken by these companies to maximizing energy storage and minimizing safety hazards in lithium-based technologies. The presenting companies represent different sectors within the lithium battery supply chain, including companies focused on advanced materials, battery cells, battery packs and finished vehicles, or on some combination of these sectors. How best to maximize value in this rapidly developing market will be discussed, and likely debated, at length.

Introduction of Panel by Moderator

Corey Tobin, Equity Research Analyst, **William Blair & Company**

Deepak Srivastava, P.h.D., Chief Technology Officer, **NanoExa**

Michael E. Reed, President & CEO, **Electro Energy, Inc.**

Jeff Yambrick, Manger of Business Development, **Altair Nanotechnologies, Inc.**

Sankar Das Gupta, Ph.D.,DK, Chairman & CEO, **ElectroVaya**

Robert Spotnitz, Pd.D.,Member, **American Lithium Energy** and **President, Battery Design, LLC**

Mohamed Alamgir, Director of Research, **Compact Power**

Ulrik Grape, CEO, **EnerDel Inc.**

Panel Discussion & Audience Participation

3:30 – 3:40 pm

Break

3:40 – 5:15 pm

Is There Life Beyond Lithium? Other Approaches to Creating Value in Advanced Automobile Technology

Although most discussion about advanced automobile battery technologies centers on lithium-based technologies, it may be too early to count out other technologies. Nickel metal hydride, nickel zinc and advanced lead acid technologies have substantially longer operating histories than, and may offer some advantages over, lithium. Ultra capacitor technology, the “cold fusion” of the battery space, may offer an important supplement, and maybe even an ultimate alternative, to advanced automobile batteries based on lithium. This panel will discuss those alternatives.

Introduction of Panel by Moderator

Shez Bandukwala, Partner, Investment Banking, **ThinkPanmure, LLC**

Foam-based Lead Acid Batteries

Edward F. Williams, President, **Firefly Energy**

Nickel-Zinc Batteries

Dan Squiller, President, **PowerGenix**

Ultracapacitor Technology

John M. Miller P.h.D., Vice President Systems Applications & Integration, **Maxwell Technologies, Inc.**

Advanced Materials for Batteries and Ultracapacitors

Mark W. Zager, CEO, **Silitronix, Inc.**

VC’s View of the Advanced Automobile Battery Space

Carl J. Barrelet, Associate, **Lux Capital Management**

Panel Discussion & Audience Participation

5:15 – 5:20 pm

Concluding Remarks – Conference Chair

5:20 – 6:30 pm

Wine and Cheese Networking Reception

Registration Fees

ACG Members \$195.00
Non-ACG Members \$295.00

Cancellation Policy

All cancellations received in writing to tcobb@acg.org no later than 5pm, June 6th will receive a refund minus a \$25 processing fee. There are no refunds on cancellations received after 5pm, June 6th.

For additional information or questions contact

Terry Cobb – Vice President of Operations
ACG Chicago
630-455-1740
tcobb@acg.org

Document(s) for Download: [ACG Chicago Advance Battery Investment Summit Brochure Agenda](#)

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