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Lithium Battery Power Pack

Battery Safety Pack

Li-Ion Engineering & Technology Pack

Transporting Technology to Market Pack

► **Keynote Presentation:** Bob Powell, Ph.D., GM Lab Group Manager, General Motors Global R&D Center

LITHIUM BATTERY APPLICATIONS AND MARKET

- Derek C. Johnson, Ph.D., Executive Director R&D, A123 Systems, LLC
- Ratnakumar Bugga, Ph.D., Jet Propulsion Laboratory, California Institute of Technology
- Koukou Suu, Ph.D., Global Market & Technology Strategy, ULVAC, Inc. Sponsored by ULVAC
- Donald J. Siegel, Ph.D., Mechanical Engineering Department, University of Michigan
- Ralph Brodd, Ph.D., President, Broddarp of Nevada, Inc.

ADVANCES IN MANUFACTURING NEXT-GENERATION LITHIUM BATTERIES

- Chunming Niu, Ph.D., Professor, Xian Jiaotong University
- Rajshekar DasGupta, Ph.D., Vice President, Technology, ElectroVaya Corp.
- Greg Krumdick, Principal Systems Engineer, Argonne National Laboratory

► **Panel Discussion:** Moderator: Brian Barnett, Ph.D., Vice President, TIAX, LLC

OEM PERSPECTIVES ON LITHIUM BATTERIES FOR CONSUMER ELECTRONICS

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► **Keynote Presentation:** Kenneth Gould, e-Mobility Technical Systems Engineer, Porsche Cars North America

ADVANCES IN HIGH-CAPACITY CATHODE MATERIALS

- Saori Tokuoka, Ph.D., Research Scientist, R&D, Saft
- Jagjit Nanda, Ph.D., Senior Staff Scientist, Oak Ridge National Laboratory
- Marca M. Doeff, Ph.D., Staff Scientist, Lawrence Berkeley National Laboratory
- Youngho Shin, Ph.D., Principal Process Development Engineer, Argonne National Laboratory

INCREASING ENERGY DENSITY THROUGH ADVANCED ANODE STRUCTURES

- Orlando Auciello, Ph.D., Endowed Chair Professor, University of Texas at Dallas
- **Featured Presentation:** Odysseas Paschos, Ph.D., Research Battery Technology, BMW

FABRICATION AND DESIGN OF ELECTRODE MATERIALS

- Mark Obrovac, Ph.D., NSERC/3M Canada Ltd., Dalhousie University
- Corey T. Love, Ph.D., Materials Research Engineer, U.S. Naval Research Laboratory
- Michael D. Eskra, President, Eskra Technical Products, Inc.

DIAGNOSTICS, MODELING AND SIMULATION

- Ed Fontes, Ph.D., CTO, Development, COMSOL AB
- Kandler Smith, Ph.D., Vehicle Energy Storage Engineer, National Renewable Energy Laboratory
- Daniel Abraham, Ph.D., Engineer, Argonne National Laboratory
- Bor Yann Liaw, Ph.D., Hawaii Natural Energy Institute, University of Hawaii at Manoa

MULTISCALE MODELING

► **Featured Presentation:** Brian Barnett, Ph.D., Vice President, TIAX, LLC

- Gi-Heon Kim, Ph.D., Distinguished Researcher & Team Lead, National Renewable Energy Laboratory
- Christopher Michelbacher, Research Engineer, Idaho National Laboratory
- Sara Abada, IFP Energies Nouvelles (IFPEN)
- Sergiy Kalnaus, Ph.D., Research Scientist, Oak Ridge National Laboratory
- Jason Siegel, Ph.D., Assistant Research Scientist, University of Michigan

ENGINEERING A SAFE SYSTEM FOR VARIOUS APPLICATIONS

- Gerd Liebig, Next Energy
- Greg Tremelling, Senior Manager, Electrical Engineering, NEC Energy Solutions
- Eddie Forouzan, Ph.D., President, ARTIN Engineering and Consulting Group, Inc.
- Brent Perry, CEO, C Rate Solutions
- Dave Vutetakis, Ph.D., Vice President, Concorde Battery Corporation

CELL SAFETY, PERFORMANCE AND LIFETIME MANAGEMENT

- **Featured Presentation:** Judith Jeevarajan, Ph.D., Research Director, Underwriters Laboratories, Inc.
- Nora Martiny, Research Associate, Energy Storage Systems, TUM CREATE Ltd.
- Ankur Jain, Ph.D., Assistant Professor, University of Texas, Arlington
- David Mackay, New-Generation Anode Engineer, Washington State University

FAILURE MODE ANALYSIS

- Puneet Sinha, Ph.D., Vice President, EC Power LLC
- Qingfeng Yuan, Project Manager, Amperex Technology Limited

FORENSIC ANALYSIS: POST-INCIDENT INVESTIGATION & RESPONSE

- Robert Swaim, National Resource Specialist, National Transportation Safety Board
- Mike Bauer, Aerospace Engineering Investigator, National Transportation Safety Board
- Christopher Hendricks, NSWC Carderock, U.S. Navy
- James A. Lynch, Director, R&D, Fire & Risk Alliance, LLC
- Ronald M. Butler, CEO, Energy Storage Safety Products International
- **Panel Discussion:** Moderator: James A. Barnes, Ph.D., formerly U.S. Navy at NSWC Carderock and U.S. Department of Energy

POLICY

- **Featured Presentation:** Nancy Rockbrune, Head, Safety Management System, IATA
- **Featured Presentation:** Janet S. McLaughlin, Director, Hazardous Materials Safety Program, Federal Aviation Administration
- George A. Kerchner, Executive Director, The Rechargeable Battery Association
- Steve Hwang, Ph.D., U.S. DOT – PHMSA
- Kevin Leary, Transportation Regulations Specialist, U.S. DOT – PHMSA

PACKAGING & SHIPPING

- Bob Richard, Ph.D., Vice President, Labelmaster Services
- Thomas M. De Lucia, Director, NEC Energy Solutions
- Thomas (TJ) Leech, III, CHMM, Manager, Dangerous Goods Hotline, FedEx
- John T. Warner, D.M., PMP, Vice President, XALT Energy
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