PSMA - Power Sources Manufacturers Association

Our Mission

To integrate the power industry resources to profitably serve the needs of the users, industry, providers, and PSMA members.

PSMA is a not-for-profit organization and a CO-SPONSOR OF APEC

Incorporated in 1985
PSMA - Power Sources Manufacturers Association

- Forum for discussing and progressing issues of common concern to the power sources industry, for the benefit of manufacturers, suppliers and users alike
- Enhance the stature and reputation of its members and their products
- Improve members knowledge of technology
- Educate the electronics industry, academia, as well as government and industry agencies through:
  - Published reports
  - Educational seminars
  - Technical conferences and workshops
  - Conference exhibits
- Integrate the resources of the power sources industry to more effectively and profitably serve the needs of the power sources users, providers and PSMA members.
A forum for discussing common concern to the power sources industry, for the benefit of manufacturers, suppliers and users alike.
**PSMA Benefits**

- **Networking:**
  interact with your counterparts in other companies

- **Valuable Information:**
  Members Only area of the Web site

- **Involvement:**
  Planning and managing of PSMA & APEC

- **Participation:**
  Participate in committees, workgroups

- **Discounts:**
  Receive discounts on APEC registration fees

- **Company Profile:**
  List your company’s profile on the PSMA Web site with a hyperlink directly to your company Web site

- **PSMA Publications:**
  Free and discounted

- **PSMA Newsletter:**
  Information on activities in the industry and upcoming events.

**Company Spotlight Banner:**
Feature your company’s products on the PSMA Home Page
PSMA’s work is done by industry leaders on a volunteer basis.
Active Committees

Address the opportunities for our member companies in providing products for Solar, Wind, and Fuel Cell power sources.

The PSMA Capacitors Committee is a group of volunteers knowledgeable about capacitors and power electronics. The aim of the group is to support the power electronics capacitor industry. The committee is involved in capacitor design papers, education, and design tools.
Active Committees

Serve the needs of manufacturers, government policy agencies, and industry standards organizations, for education, support, and recommendations, with a primary goal of establishment of a single global power supply energy efficiency standard.

Promote and improve the communication between Industry and Education; to foster awareness and interest in power electronics conversion and control among our youth; and to identify the long term strategic issues of common interest to Industry and Education.
Active Committees

MAGNETICS COMMITTEE

Provides members with latest advancement information in magnetic, inductor, and transformer technologies. Serves our members, magnetics users, suppliers, and manufacturers with information, resources, subject matter experts in the area of magnetics and power conversion. Nurtures increased interest in magnetics specialization and research, and early career consideration in power electronics.

MARKETING COMMITTEE

Provides marketing support to PSMA activities including marketing communications such as press releases, cooperative efforts with other organizations to assure that the industry and the public have a better knowledge of PSMA’s mission, goals, and activities.
Active Committees

NANOTECHNOLOGY COMMITTEE

Fosters and promotes the understanding of all aspects of science and technology where dimensions are between one (1) nanometer (nm) to hundred (100) nanometers (nm) as it pertains to all types of power sources and converters.

POWER ELECTRONICS PACKAGING COMMITTEE

Provides members with latest advancement information in power electronics packaging technologies.
Active Committees

- **SEMICONDUCTOR COMMITTEE**
  Provides members with latest advancement information in IC and power semiconductor technologies.

- **TECHNOLOGY ROADMAP COMMITTEE**
  Develops and publishes the Power Technology Roadmap every two years.

- **TRANSPORTATION POWER ELECTRONICS COMMITTEE**
  Focuses on component and packaging trends in power electronics for transportation applications.
Major Projects

- **Power Supply in Package/Power Supply on Chip** – completed 2 reports – held 4 Workshops – another planned in 2016


- **Energy Efficiency Data Base** – continuously updated

- **Nanotechnology Course** - “PSMA Nano 100” updated – “PSMA Nano 200” completed – “PSMA Nano 300 E-Learning Colloquium” completed

- **Power Technology Roadmap 2015** – Workshop and Report

- **APEC Student Travel Support** – now jointly sponsored by IAS and PELS

- **Publish Out of Print Magnetics Books**
PSMA Publications

- **PSMA Power Technology Roadmap (2013, 2015)**
- **Technology Report - Current Developments in 3D Packaging with Focus on Embedded Substrate Technologies (2015)**
- **Technology Report - 3D Power Packaging (2014)**
- **Are You Smart Enough for the Smart Grid? PSMA-EPRI Workshop Report (2013)**


- *Handbook of Standardized Terminology for the Power Sources industry (3rd Edition)*


Working With Others

- CEC - California Energy Commission
- CPSS - China Power Supply Society
- ECIA – Electronic Components Industry Association
- Emerge Alliance
- Energy Star
- EPA - Environmental Protection Agency
- EPRI - Electric Power Research Institute
- EPSMA - European Power Supply Manufacturers Association
- iNEMI - International Electronics Manufacturing Initiative
- NYSERDA - New York State Energy Research and Development Authority
- PEIC – Power Electronics Industry Collaboration
- PICMG – PCI Industrial Computer Manufacturers Group
- TTA – The Transformer Association
University Resources

- Arizona State
- Ben-Gurion of Negev
- Chongqing
- Dartmouth College
- Duke
- Embry-Riddle Aeronautical
- Georgia Institute of Technology
- Hong Kong
- Illinois Institute of Technology
- Kansas State
- Michigan State
- Michigan Technology University
- Mississippi State
- Missouri U. of Science & Technology
- North Carolina A&T State
- Northeastern
- Oregon State
- Penn State Erie, Behrend College
- Rensselaer Polytechnic Institute
- Sharif U. of Technology
- Texas A&M
- Texas Tech
- Ohio State
- Universidad de Oviedo
- University of Buffalo
- California Irvine
- Central Florida
- Colorado-Boulder
- Idaho
- Illinois-Urbana-Champaign
- Maryland- College Park
- Michigan-Dearborn
- Minnesota
- Nevada-Reno
- North Dakota
- Tennessee
- Toledo
- Victoria
- Wisconsin-Madison
- Wisconsin-Milwaukee
- Virginia Tech
Some Member Companies