

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.***

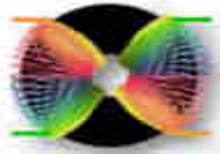
PSMA is a not-for-profit organization and a CO-SPONSOR OF APEC



Incorporated in 1985



A forum for discussing common concern to the power sources industry, for the benefit of manufacturers, suppliers and users alike.



Magnetics



Lead-Free



Safety



Energy Efficiency



Semiconductor



Manufacturing



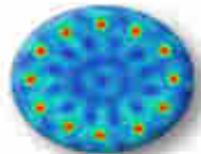
Alternative Energy



Packaging



Education



Nanotechnology



Power Technology
Roadmap



Capacitor



Energy Harvesting

PSMA - Power Sources Manufacturers Association

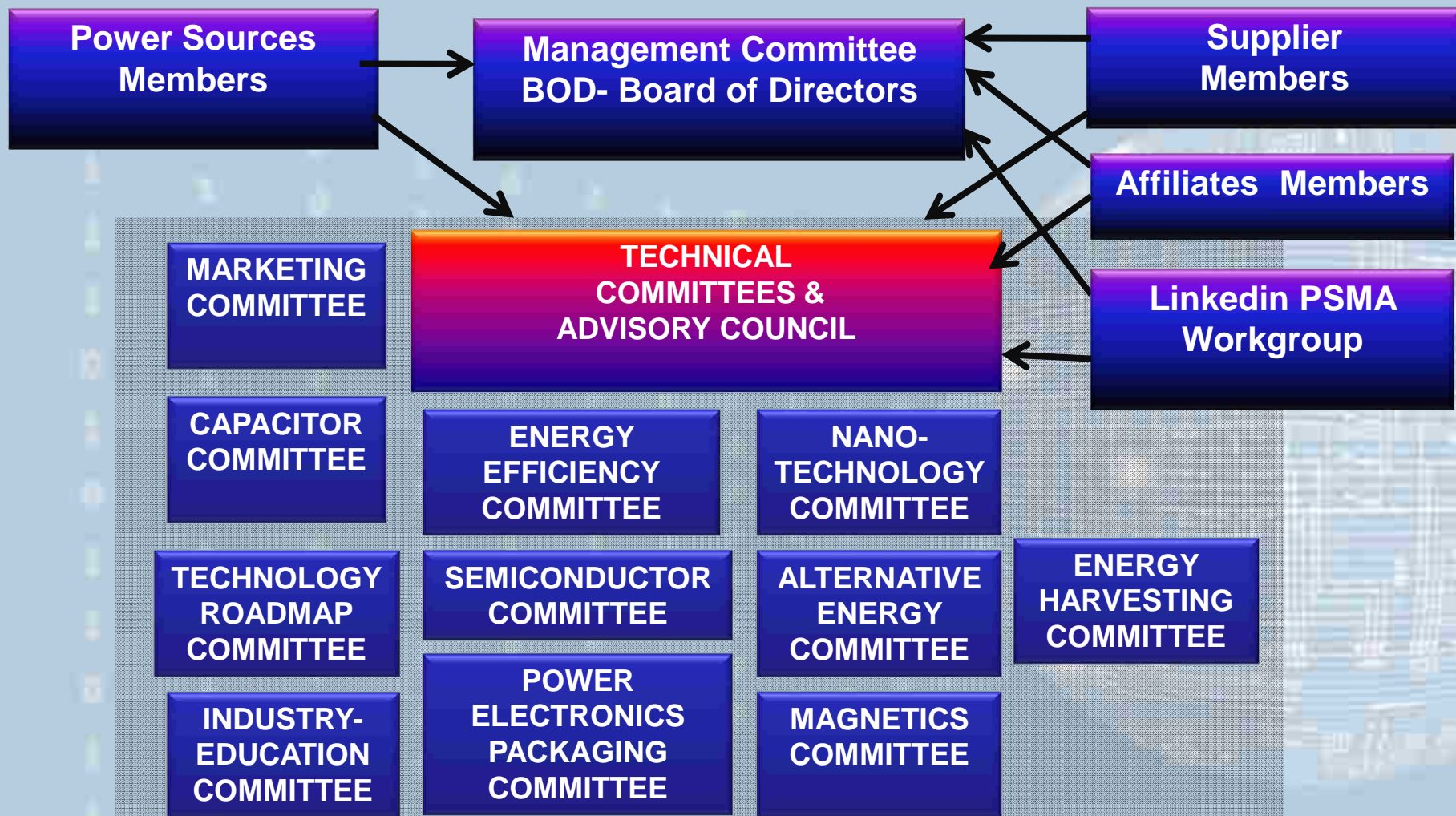
- Forum for discussing and progressing issues of common concern to the power sources industry, for the benefit of manufacturers, suppliers and users alike
- Enhance the stature and reputation of its members and their products
- Improve members knowledge of technology
- Educate the electronics industry, academia, as well as government and industry agencies through:
 - ***Published reports***
 - ***Educational seminars***
 - ***Technical conferences***
 - ***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.

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 Organization



PSMA's work is done by industry leaders on a volunteer basis.

Active Committees

ALTERNATIVE ENERGY COMMITTEE

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

CAPACITOR COMMITTEE

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.

ENERGY EFFICIENCY COMMITTEE

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.

Active Committees

ENERGY HARVESTING 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.

INDUSTRY- EDUCATION COMMITTEE

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.

Major Projects

- ***Power Supply in Package/Power Supply on Chip – completed 2 reports – held 2 Workshops – another planned***
- ***Energy Efficiency Data Base – continuously updated***
- ***Nanotechnology Course - “PSMA Nano 100” updated – “PSMA Nano 200” completed***
- ***Power Technology Roadmap 2011 – Workshop and Report***
- ***APEC Student Grants – now jointly sponsored by IAS and PELS***
- ***Publish Out of Print Magnetics Books***

PSMA Publications

- ***PSMA Power Technology Roadmap (2011)***
- ***Transformers for Electronic Circuits – 2nd Edition Reprint (2011)***
- ***SOFT FERRITES – Properties and Applications (2010)***
- ***Technology Report – Review of Commercial Developments in Power-Supply in Package and Power Supply on a Chip (2009)***
- ***Modern DC-TO-DC Power Converter Circuits by Rudolf Severns and Ed Bloom - REPRINT (2009)***
- ***Market and Technology Report - Power Supply in a Package - Power Supply on a Chip (2008)***
- ***Application of Magnetism reprint (2008)***



- ***“Follow The Power” A Report on An Energy Efficiency Workshop (2007)***
- ***Handbook of Standardized Terminology for the Power Sources industry (3rd Edition)***
- **Electronic Transformers And Circuits – Third Edition Reprint (2007)**
- ***Units, Symbols and Style Guide for Power Electronics (1998)***

Working With Others

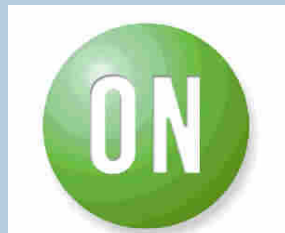


- ***EPSMA - European Power Supply Manufacturers Association***
- ***CPSS - China Power Supply Society***
- ***TTA – The Transformer Association***
- ***NEDA - National Electronics Distributor Association***
- ***PICMG – PCI Industrial Computer Manufacturers Group***
- ***Energy Star***
- ***EPA - Environmental Protection Agency***
- ***CEC - California Energy Commission***
- ***EPRI - Electric Power Research Institute***
- ***NYSERDA - New York State Energy Research and Development Authority***

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



ON Semiconductor

