

A Powerful Voice...  
A Valuable Resource...  
A Committed Organization...

For the Industry...by Industry Leaders.





Be Part of the Industry's  
Leading Professional  
Association.  
**Join today.**

In our nearly four decades of service, the PSMA has evolved in much the same way our industry has. Starting from our core founding group, PSMA's member rolls have grown to nearly two hundred companies leading the way in the development of power electronics products and systems.

Our industry's power conversion technologies and products are literally enabling many of the advances in today's electrical infrastructure and electronics.

PSMA's decades-long tradition of service to our industry has successfully helped to guide power source manufacturers, developers, suppliers, educators, integrators, users, funders and regulators, through market highs and lows, all around the world.

*"PSMA attracts the best people"*

Active member, Stephanie Watts Butler, industry consultant and retired semiconductor executive says, *"Engaging with PSMA has been consistently a joy – whether it be on the Power Technology Roadmap Webinar series, APEC Industry Session planning or other activities. PSMA attracts the best people."*

PSMA helps members increase their impact through in-depth technical education, market guidance, peer-to-peer connections, sector-specific trend publications and market applications reports.

For example, PSMA-sponsored conferences are helping to drive developments in power conversion efficiency, semiconductor technology and packaging, energy harvesting, IoT proliferation, innovations in

LED lighting, eMobility, batteries and other areas of power conversion innovation.

Brian Zahnstecher, President of PowerROX and power conversion expert describes his experience as a PSMA member as *"very rewarding and fulfilling for both PowerRox and my own professional development. PSMA is truly committed to delivering value to its members and the industry we love."*

*"PSMA is committed to delivering value"*

This brochure is intended to provide a clear idea of the work of PSMA and the benefits of membership in this exciting time in electronics manufacturing. Tim McDonald, a senior executive at a leading power electronics manufacturer and long-standing member describes it this way: *"The benefits of participation and membership in PSMA far exceed the cost to join. It's the best deal on the planet."*

*"PSMA membership is the best deal on the planet"*

Please reach out and ask us about how your company – and you as an individual – can benefit from membership. We welcome your interest and your questions. Feel free to contact me personally to discuss how to optimize your industry impact through membership in PSMA.

Joe Horzepa, *Executive Director*  
[power@psma.com](mailto:power@psma.com)

# Benefits that Far Exceed the Cost of Membership

Membership in PSMA provides many important and valuable benefits. The value to you and your company in the engagement with industry leaders in the work of the association is priceless. But beyond that, membership has immediate, tangible value by

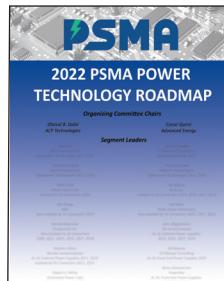
offering special discounts on PSMA-produced industry reports, reprints of important technical texts and attendance at our flagship event – the Applied Power Electronics Conference (APEC) – as well as other PSMA-sponsored activities (listed below).



## PSMA Technology Reports

PSMA-produced technology reports, valued at thousands of dollars, are offered to members at dramatically reduced cost. Acquiring just one of these reports can more than pay for the cost of membership. Here are just two important examples:

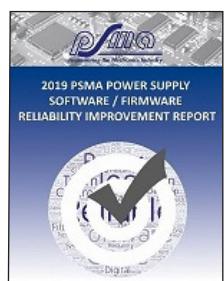
### **2022 Power Technology Roadmap**



The 2022 Edition includes hard copy and digital (flash drive) copies of presentations from end-users, power supply manufacturers, component suppliers, consultants and academia. This 12th edition Roadmap provides an outlook on technology trends in power conversion through the year 2026.

**Price: \$4,490 Member Price: Free\***

### **Power Supply Software/Firmware Reliability Improvement Report**



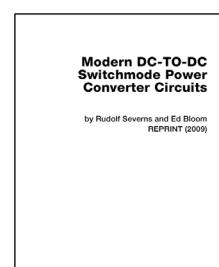
Moving from power electronics with analog control to power electronics with digital control is a significant transition. Software engineering best practices are being adopted for digital power electronics control. This report examines a wide array of problems and challenges then proceeds to offer observed and proposed improvements and best practices.

**Price: \$2,490 Member Price: Free\***

## PSMA CLASSIC REPRINTS

With permission of the authors, PSMA has republished a collection of out-of-print classic texts dealing with fundamental power electronics technologies. These texts are available to members at up to 50% discount from the retail price. Here's just one example:

### **Modern DC-TO-DC Switchmode Power Converter Circuits by Rudolf Sevrens and Ed Bloom - REPRINT (2009)**



This book focuses on the fundamental behavior and characteristics of switch-mode power converters and on the relative merits of many popular topologies.

**Price: \$150 Member Price: \$100**

## PSMA-SPONSORED CONFERENCES WORKSHOPS AND WEBINARS

In addition to APEC, PSMA sponsors annual pre-APEC Magnetics and Capacitor Workshops and these conferences and workshops:

[Power Supply on Chip \(PwrSoC\)](#),  
[International Symposium on 3D Power Electronics \(3D-PEIM\)](#),  
[Workshop on Wide Bandgap Power Devices \(WiPDA\)](#),  
[International Workshop on Integrated Power Packaging \(IWIPP\)](#),  
[International Energy Harvesting Workshop \(EnerHarv\)](#)  
[IEEE International Future Energy Challenge](#)

PSMA has strategic partnerships with key industry groups: IEEE PELS and IAS; IPC; iNEMI; CPSS; Emerge Alliance

\* Regular Members receive one copy of all new PSMA publications and reports, with discounts for additional copies. Affiliate Members may purchase these publications and reports at significantly reduced prices.

# Technical Committees and Forums - The Lifeblood of PSMA Membership

Participation in one or more of the PSMA technical committees and forums offers the unique opportunity for members to collaborate on key topics of critical interest to our industry. Technical forums

and committees are where the real work of PSMA is done. Your knowledge advances this work and you benefit from interacting with others in a network of industry leaders and influencers.



## CAPACITOR COMMITTEE AND FORUM

The Capacitor Committee is a group of committed volunteers knowledgeable about capacitors and power electronics. Members include people from capacitor manufacturers, the power electronics industry, universities and leading consultants. The committee is involved in offering Capacitor Workshops, training webinars, APEC Industry Sessions, and Roadmap contributions.



## ENERGY HARVESTING COMMITTEE AND FORUM

The mission of the Energy Harvesting Committee is the development of an ecosystem that provides subject matter expertise and direction on adoption and integration of energy harvesting and related energy storage, conversion and efficiency technologies.



## ENERGY MANAGEMENT COMMITTEE AND FORUM

The Energy Management Committee supports manufacturers, government agencies and standards organizations with education, support and recommendations in matters regarding the energy efficiency of power supplies and system power architectures with, as a primary goal, the establishment of a consistent global standard for energy efficiency. The committee supports and maintains an up-to-date database on existing energy efficiency standards and regulations as well as alerts on impending changes and key meetings that impact the existing standards and regulations.



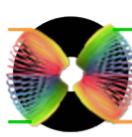
## ENERGY STORAGE COMMITTEE AND FORUM

The Energy Storage Committee provides members and other interested parties with a forum to discuss market and technology trends in the broad area of energy storage and its application. Energy storage for power systems comes in many forms, such as electrochemical, molecular (e.g., hydrogen), thermal, mechanical, and combinations of technologies. Applications can include primary, backup or supplemental power in all types of power systems.



## INDUSTRY-EDUCATION COMMITTEE AND FORUM

The Industry-Education Committee promotes and works to improve the communication between these institutions, 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. Two courses, one covering the basics of nanotechnology and the second, advanced nanotechnology topics, are available to members on the Industry-Education Forum. The Forum also works to provide other educational resources for students at various levels of academia - middle, high, college and graduate levels.



## MAGNETICS COMMITTEE AND FORUM

The Magnetics Committee members include representatives from power supply companies, wound components producers, core manufacturers and consultants. The committee is involved in republishing classic textbooks, making fundamental design papers available and offering education and design tools.



#### PACKAGING & MANUFACTURING COMMITTEE AND FORUM

This committee provides information and resources on advances in power packaging and manufacturing technologies. Its focus is on high density power packaging design for lowest cost manufacturing, with the goal of achieving global competitiveness for PSMA member companies. The Power Packaging & Manufacturing Committee has produced a comprehensive three-part study of technology trends, components and techniques in 3D packaging.



#### POWER TECHNOLOGY ROADMAP COMMITTEE AND FORUM

The Power Technology Roadmap Committee provides a consolidated outlook of trends in power conversion technology for the next two to five years. The trends covered in a report, published every two years, are intended to give a broad outlook of the power conversion technologies, components and applications.



#### RELIABILITY COMMITTEE AND FORUM

The Reliability Committee aims to spearhead industry initiatives to identify and address pertinent industry challenges related to the reliability and performance of power supplies and associated products. Its scope includes anything that impacts the life and desired application of a power supply.



#### SAFETY & COMPLIANCE COMMITTEE AND FORUM

The mission of the Safety and Compliance Committee is to provide subject matter expertise and information resources, supported with ongoing communications to our constituents, on safety and compliance issues pertaining to power electronics and power conversion. The Committee supports and maintains an up-to-date database on existing safety and compliance standards.



#### SEMICONDUCTOR COMMITTEE AND FORUM

The Semiconductor Committee provides an overview of semiconductor technologies and their use in power converters. The committee periodically updates the status, trends and issues that affect the application of semiconductors in power supplies.



#### TRANSPORTATION ELECTRONICS COMMITTEE AND FORUM

The Transportation Power Electronics Committee covers a broad array of topics applicable to successful expansion of power content in electric drive and hybrid electric vehicles, including packaging, components, energy storage, power distribution, power conversion and motor drives. It has also undertaken a project to build awareness within the automotive industry of PSMA's contributions.

**APEC**  
**PSMA-Sponsored**  
**APEC Industry**  
**Sessions**

Integral to the annual Applied Power Electronics Conference (APEC) are the Industry Sessions. These sessions provide a forum for industry experts to discuss their latest developments in products and technology. The themes for these sessions are selected and developed by the PSMA Technical Committees and they identify and invite the best industry professionals to present the topic at the Industry Sessions.

# PSMA Membership Benefits

By joining with other leaders in the Industry, your company will have a greater voice and influence on the directions of the power sources industry.

- **NETWORKING:** The opportunity to meet and interact with your counterparts in other companies on an on-going basis.
- **VALUABLE INFORMATION:** Members enjoy access to information in the Members Only area of the Web site. Members also receive invitations to upcoming Webinars and Workshops.
- **INVOLVEMENT:** Based on the interests of PSMA committees, members plan and organize APEC Industry Sessions, Webinars, Workshops and Conferences.
- **PARTICIPATION:** Members participate in committees, workgroups and studies to derive a better understanding of market trends, industry trends and better operational procedures to improve performance.
- **DISCOUNTS:** Members receive discounts on registration fees for attending APEC and other PSMA-sponsored events.
- **FINDING TRENDS:** Increase awareness and knowledge of trends and factors that can impact your company.
- **INFLUENCE:** Use PSMA's collective voice to influence key industry stakeholders.
- **COMPANY PROFILE:** Listing of your company's profile on the PSMA website with a hyperlink to your company website.
- **PSMA PUBLICATIONS:** Regular members receive one copy of all new PSMA publications and reports with discounts for additional copies. Affiliate members may purchase the publications and reports at the member discount price.
- **BENCHMARKING:** Improve the operation of your company by participating in benchmarking studies with other companies in your industry.
- **PSMA NEWSLETTER:** Receive "Update," the quarterly newsletter of the PSMA, with information on activities in the industry and upcoming events. You may also contribute articles for publication in "Update."
- **MEMBER COMPANY SPOTLIGHT BANNER:** Feature your company's products on the PSMA Home Page.

## Joining PSMA

**Regular Members** — Manufacturers of power sources and conversion equipment, power semiconductors, power management ICs, passive devices, packaging and other components.

- Annual Dues \$1425

**Affiliate Members** — Organizations involved in the power industry, including manufacturer's representatives, distributors, advertising, marketing, consulting and publications.

- Annual Dues \$190

**Affiliate - Education Members** — Individuals, universities and other organizations involved in education or instruction in power subjects.

- Annual Dues \$125, Dues may be waived for qualified persons, institutions or companies.

Learn more and fill out a membership application at  
<http://www.psma.com/membership/joining-information>