

Space-Related Conferences And Trade Shows In 2017

Space applications represent a distinct set of applications for power supplies, dc-dc converters, battery chargers and related power products. These space-grade power converters must meet specific electrical, mechanical, and environmental requirements including radiation hardness.

Industry conferences and tradeshow devoted to space technologies present special opportunities for power supply and power component vendors to market products specifically developed for space applications. Conversely, for designers of space equipment and systems, these events may offer opportunities to learn about the latest power products and interact with vendors.

This list of selected conferences and tradeshow identifies some of the events in 2017 where suppliers and users of power converters and power components for space may meet. Events where power supply and power component companies appear on the exhibitors' list are noted. Some of these events may also offer technical sessions addressing issues relevant to power system design.

February:

[Microelectronics Reliability & Qualification Working Meeting](#)

Feb 7-8, 2017

The Aerospace Corp.

El Segundo, Calif.

Notes: Includes presentations on "High Reliability Point of Load Converters," "Radiation Enhancements and Performance of Texas Instruments Space Power Solutions" "GaN Space Radiation Tolerance, Domestic and Foreign," "A Survey of Observed GaN HEMT Degradation Mechanisms" and "Proposed Guidelines for Space Qualification of GaN HEMT Technologies."

March:

[IEEE Aerospace Conference](#)

March 4-11, 2017

Yellowstone Conference Center

Big Sky, Montana

Notes: Conference program includes sessions on "Power Electronics for Space Applications," "Electronics for Extreme Environments," "Advanced Packaging for Space" (which includes power electronics) and "Spacecraft Propulsion and Power Systems."

[Satellite](#)

Conference and Exhibition

March 6-9, 2017

Walter E. Washington Convention Center

Washington, D.C.

[Paris Space Week](#)

March 8-9, 2017

Paris, France

[GOMACTech Conference](#)

Government Microcircuit Applications & Critical Technology Conference

Technologies for Secure Spectrum Access from DC to Light

March 20-23, 2017

The Grand Sierra Resort

Reno, NV

Notes: Exhibition includes semiconductor suppliers.

April:

[Space Symposium](#)

April 3-6, 2017

The Broadmoor Hotel

Colorado Springs, CO

[Space Parts Working Group](#)

April 4-5, 2017

Doubletree by Hilton Torrance-South Bay

Torrance, CA

[CMSE](#)

Components for Military and Space Electronics Conference and Exhibition

April 11-13, 2017

Sheraton Four Points Hotel (LAX)

Los Angeles, CA

Notes: This conference focuses on how to successfully incorporate PEMS and COTS technologies into the harsh environments of military and space systems, which often require ten or twenty year mission life. Topics to be covered include copper wirebonding and the use of "non-hermetic" packaging in lieu of traditional hermetic packages. Also covers the latest developments in polymer tantalum capacitors, BME, and MLCC.

[Space Power Workshop](#)

April 24-27, 2017

Manhattan Beach Marriott

Manhattan Beach, CA

Notes: Sessions include "Power System Design and Analytical Techniques," "Power Systems Architecture," "Energy Generation," and "Energy Storage."

[Avionics & Space Testing Expo](#)

April 25-26, 2017

Munich, Germany

May:

[AUVSI Xponential](#)

All Things Unmanned

May 8-11, 2017

Dallas, TX

[EMPS](#)

Electronic Materials and Processes for Space Workshop

May 10-12, 2017

[Space Tech Expo](#)

May 23-25, 2017

Pasadena, CA

Notes: Exhibit includes power supply companies.

July:

[NSREC](#)

IEEE Nuclear and Space Radiation Effects Conference

July 17-21, 2017

The New Orleans Marriott

New Orleans, LA

Notes: This event is a good source of information on rad hard power semiconductors and power converters. For information on power components introduced at NSREC 2017 see "[NSREC 2017 Highlights Latest Rad Hard Power Components For Space](#)" and "[More Power News From NSREC 2017](#)." Also see How2Power's [Space Power section](#).

[ISSR&D](#)

International Space Station R&D Conference

July 17-20, 2017

Omni Shoreham Hotel

Washington, D.C.

August:

[Small Satellite Conference](#)

Small Satellite—Big Data

August 5-10, 2017

Logan, Utah

[SMD Symposium](#)

Space and Missile Defense Symposium

August 8-10 2017

Von Braun Center

Huntsville, Alabama

September:

[IAC](#)

International Astronautical Congress

September 25-29, 2017

Adelaide, Australia

[AIAA SPACE Forum](#)

American Institute Of Aeronautics And Astronautics (AIAA) Space and Astronautics Forum and Exposition

September 12-14, 2017

Hyatt Regency Orlando

Orlando, FL

Notes: Call for papers include "Space solar power/wireless power transmission."

[DASC](#)

Digital Avionics Systems Conference

Sept 17-21, 2017

St Petersburg, FL

October:

[RADECS](#)

Conference on Radiation Effects on Components And Systems

October 2-6, 2017

CERN, Geneva, Switzerland

[RADLAS](#)

Workshop on Laser Testing of Radiation Effects on Components and Systems

October 9, 2017

University of Montpellier

Montpellier, France

Notes: Includes talk on "Single Event Effects in AlGaIn/GaN HEMTs".

[WiSee](#)

Wireless for Space and Extreme Environments

IEEE International Conference

October 10-12, 2017

Concordia University

Montreal, Canada

[AIAA International Communications Satellite Systems Conference \(ICSSC\)](#)

Co-located with 23rd Ka and Broadband Communications Conference

October 16-19, 2017

Trieste, Italy

[Canadian SmallSat Conference](#)

Oct 17-19, 2017

The Westin Prince

Toronto, Canada

[Space Tech Expo Europe](#)

Bremen, Germany

October 24-26, 2017

Notes: Exhibitors include power semiconductor and power module makers.

November:

[RHET](#)

Radiation Hardened Electronics Technology

Nov 6-8, 2017

Colorado Springs, CO

December:

[SPACECOM](#)

Space Commerce Conference and Exposition

December 5-7, 2017

George R. Brown Convention Center

Houston, Texas

Coming in 2018:

[4S Symposium](#)

Sorrento, Italy

May 28- June 1, 2018

AMICSA

International Workshop on Analogue and Mixed-Signal Integrated Circuits for Space Applications

June 17-19, 2018

Leuven, Belgium

[NSREC 2018](#)

July 16-20, 2018

Kona, Hawaii

[RADECS](#)

September 16-21, 2018

Gothenburg, Sweden

Know of a conference or tradeshow addressing space technology that is not listed here? Email the [editor](#) to tell How2Power about it.