

## ***Space-Related Conferences And Trade Shows In 2019***

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 2019 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:***

#### [Smallsat Symposium](#)

Business and Finance Conference for Small Satellites

February 4-7, 2019

Computer History Museum

Mountain View, CA

#### [Microelectronics Reliability & Qualification Working Meeting](#)

Feb 5-7, 2019

The Aerospace Corp.

El Segundo, Calif.

### ***March:***

#### [IEEE Aerospace Conference](#)

The International Conference for Aerospace Experts, Academics, Military Personnel, and Industry Leaders

March 2-8, 2019

Yellowstone Conference Center

Big Sky, Montana

#### [GOMACTech Conference](#)

Government Microcircuit Applications & Critical Technology Conference

Artificial Intelligence & Cyber Security: Challenges and Opportunities for the Government

March 25-28, 2019

Albuquerque Convention Center

Albuquerque, NM

Notes: Call for papers lists "Power Electronics & Emerging Power Technologies" among the conference's technical topics.

### **April:**

#### [Space Power Workshop](#)

April 1-4, 2019

Torrance Marriott Redondo Beach Hotel

Torrance, CA

Notes: "Space Power Workshop sessions include Program Experience, Power Systems Architecture, Power Management and Distribution (PMAD), Energy Generation, Energy Storage, and Advanced Concepts."

#### [Paris Space Week](#)

International space business meetings, conferences, and exhibition

April 2-3, 2019

Museum of Air and Space

Paris-Le Bourget, France

#### [Space Symposium](#)

April 8-11, 2019

The Broadmoor Hotel

Colorado Springs, CO

Notes: Exhibition includes electronic component companies.

#### [CMSE](#)

Components for Military and Space Electronics Conference and Exhibition

April 16-18, 2019

Sheraton Four Points Hotel (LAX)

Los Angeles, CA

Notes: "Event focused on the design, reliability, and application of electronic components for use in avionics, aerospace, military & commercial space systems." Conference includes power-related presentations such as "Integrated Power Management with Ferromagnetic Thin-Film Power Inductors," "Space Qualification of GaN HEMTs—Guidance Document Announcement," and "Power Enhancement Mode GaN HEMT update" plus several capacitor-related talks relevant to power supply design. Expo includes power semiconductor, power magnetics and passives suppliers.

[Space Parts Working Group](#)

April 30-May 1, 2019

Doubletree by Hilton Torrance-South Bay

Torrance, CA

[AUVSI Xponential](#)

All Things Unmanned

April 30-May 2, 2019

McCormick Place

Chicago, IL

**May:**

[Satellite](#)

Conference and Exhibition

May 6-9, 2019

Walter E. Washington Convention Center

Washington, D.C.

Notes: Exhibitors include power supply companies.

[Space Tech Expo](#)

May 20-22, 2019

Pasadena, CA

Notes: Exhibit includes passive, magnetic and semiconductor component suppliers.

[ICREED](#)

International Conference on Radiation Effects of Electronic Devices

May 29-31, 2019

Chongqing, China

**June:**

[Smallsat & Space Access Summit](#)

Achieving Space Superiority Goals Through Advancements in Satellite and Launch Capabilities

June 5-6, 2019

The Mary M. Gates Learning Center

Alexandria, VA

Notes: Topics to be covered include "Examining the limitations and constraints of the payload sizes, power, and interface specifications of current small spacecrafts".

[NSMMS and CRASTE](#)

National Space & Missile Materials Symposium

Commercial And Government Responsive Access To Space Technology Exchange

June 24-27, 2019

Green Valley Ranch

Henderson, NV

**July:**

[NSREC](#)

IEEE Nuclear and Space Radiation Effects Conference

July 8-12, 2019

San Antonio Marriott Rivercenter

San Antonio, TX

Notes: This event is a good source of information on rad hard power semiconductors and power converters with many vendors of these products participating in the exhibition. For information on power components introduced at NSREC 2018 see "[Vendors Fired Up Latest Rad Hard Power Solutions At NSREC 2018](#)". Also see How2Power's [Space Power section](#).

[ISSR&D](#)

International Space Station R&D Conference

July 29-August 1, 2019

Hyatt Regency

Atlanta, GA

**August:**

[Small Satellite Conference](#)

Small Satellite—Big Data

August 3-8, 2019

Utah State University

Logan, Utah

[SMD Symposium](#)

Space and Missile Defense Symposium

August 6-8, 2019

Von Braun Center

Huntsville, Alabama

[AIAA Propulsion & Energy Forum](#)

AIAA SPACE Forum CFP topics at AIAA Propulsion and Energy Forum

August 19-22, 2019

JW Marriott

Indianapolis, IN

**September:**

[DASC](#)

Digital Avionics Systems Conference

Sept 8-12, 2019

San Diego, CA

[RADECS](#)

Conference on Radiation Effects on Components And Systems

September 16-20, 2019

Montpellier, France

Notes: Exhibition includes power module manufacturers.

**October:**

[WiSee](#)

IEEE International Conference on Wireless for Space and Extreme Environments

October 16-18, 2019

University of Ottawa Conference Center

Ottawa, Ontario, Canada

Notes: Includes workshop on "Space Solar Power".

[IAC](#)

International Astronautical Congress

October 21-25, 2019

Walter E. Washington Convention Center

Washington, D.C.

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

Space Communications, Navigation and Earth Observation Systems in the 5G Era

October 29-November 1, 2019

Okinawa Prefecture Municipal Center

Okinawa, Japan

**November:**

[Cybersat](#)

Security in Connectivity

Nov 6-8, 2019

Hyatt Regency Reston

Reston, VA

[Space Tech Expo Europe](#)

Bremen, Germany

November 19-21, 2019

Notes: Exhibitors include power semiconductor and power module makers.

[SPACECOM](#)

America's Commercial Space Conference and Exposition

November 20-21, 2019

George R. Brown Convention Center

Houston, Texas

**Coming in 2020:**

[Smallsat Symposium](#)

Business and Finance Conference for Small Satellites

February 3-6, 2020

Computer History Museum

Mountain View, CA

[IEEE Aerospace Conference](#)

March 7-14, 2020

Yellowstone Conference Center

Big Sky, Montana

Notes: Conference track 7 "Avionics and Electronics for Space Applications" includes Session 7.05 "Power Electronics for Space Applications...[which] explores advanced power electronics designs and systems for space applications. Example topics include: power devices; power electronics; electro-magnetic devices; photo-voltaic modules; and power systems. Papers discuss technical aspects of power electronics including extreme thermal and power requirements, efficiency and power management, tolerance to space environments, and reliability."

[Aerospace TechWeek](#)

March 18-19, 2020

Toulouse, France

[Space Symposium](#)

March 29-April 3, 2020

The Broadmoor Hotel

Colorado Springs, CO

[AMICSA](#)

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

June 2-5, 2020

Madrid, Spain

Notes: Topics include "radiation effects on analogue and mixed-signal ICs," "methodologies for radiation hardening on analogue circuits at cell-, circuit-, and system design level," "radiation-hardened technologies for analogue ICs," "space applications for analogue and mixed-signal ICs" and similar sessions.

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