

Wide-Bandgap Experts Will Gather Again At WiPDA

The organizing committee for the 9th Annual IEEE/PMSA [Workshop on Wide Bandgap Power Devices and Applications \(WiPDA\)](#) is looking forward to returning to an in-person event on November 7 – 9, 2022 at the Sonesta Redondo Beach and Marina in Redondo Beach, California. The workshop is sponsored by the IEEE Power Electronics Society (PELS), the Power Supply Manufacturer's Association (PMSA), and the IEEE Electron Devices Society (EDS), and provides engineers and scientists with opportunities to share their expertise in wide bandgap (WBG) semiconductor technology.

WiPDA provides a forum for device scientists, circuit designers, and application engineers from the Power Electronics and Electron Devices societies to share technology updates, research findings, experience and potential applications. The workshop will feature tutorials as well as keynote sessions, panel sessions, technical sessions, and a poster session covering multiple tracks including silicon carbide (SiC) power devices, SiC applications, gallium nitride (GaN) power devices, GaN applications, GaN RF devices and applications, and the International Technology Roadmap for Wide Bandgap Power Semiconductors (ITRW). Topics in emerging WBG materials are also of interest.

Areas of Interest

WiPDA 2022 will feature papers within the following areas of interest:

- Heteroepitaxial and bulk materials growth
- Gate dielectrics and surface passivation
- Device structures and fabrication techniques
- Device characterization and modeling
- Very high efficiency or compact converters
- Safe operating areas of wide-bandgap devices, including short circuit, spike, and transient tolerance
- Harsh environment (high temperature) operation and reliability
- Packaging power modules and ICs
- Gate drive and other auxiliary circuits
- High-performance passive components
- Hard-switched and soft-switched application analysis
- Applications in renewable energy and energy storage, transportation, industrial drives, grid power systems, space and aerospace
- Wide-bandgap system design philosophies and strategies
- Radio frequency (RF) GaN
- Technology roadmap of wide bandgap including devices, applications and packaging.

Participation Opportunities

- Tutorials will be offered on November 7th by experts in the field of WBG device, applications, and systems.
- Keynote sessions will be held on November 8th and 9th, bringing together leading experts and executives to provide their visions of WBG opportunities.

- Panel discussions featuring leading experts on GaN and SiC will examine key technology and market topics.
- Exhibitions and sponsors: Exhibitor and corporate sponsorship opportunities are available. Contact exhibitsatwipdaus@gmail.com for more information.

Please [subscribe](#) to stay informed of the latest news and receive deadline reminders for WiPDA 2022. For sponsorship opportunities contact exhibitsatwipdaus@gmail.com. Also, join the conversation on [LinkedIn](#).