30th Annual Components for Military & Space Electronics Conference & Exhibition

April 27 - April 29, 2027

Renaissance Los Angeles Airport Hotel
Los Angeles, California

Call for Presentations

"30 Years of Reliability and Components—Engineering the Next Generation of Defense and Space Electronics"

Three days of technical talks and cutting edge tutorials taught by industry professionals. We request presentation outlines at CMSE 2027 on topics such as

- **New Space: commercial space, proliferated satellites and faster qualification**
- **Defense modernization: resilient, secure and trusted electronics**
- **High-power electronics: SiC, GaN, power conversion and thermal management**
- **Mission assurance: radiation, reliability, testing, counterfeit avoidance and supply-chain risks**
- **Next-generation engineers: practical training, mentoring and lessons from experienced component engineers**
- **AI tools and digital engineering/model-based design**

  - *Non-Hermetics: Class P, Class Y, Class F and COTS for Hi Rel*
  - *MIL-PRF-38534 Appendix D vs JEDEC Stress driven qual JESD47L*
  - *Hermetics: IVA (TM 1018) moisture issues, TM 1014 testing and getters*
  - *Leveraging automotive and alternate grade parts for military and space*
  - *Selection and approval process for Space PEMS/COTS*
  - *Advances in PME/BME MLCCs and MIL-PRF stacked caps*
  - *Tantalum polymer progression towards space*
  - *Supercapacitors and high CV for high rel applications*
  - *Integrated passive components, transient response issues*
  - *Ultra-thin embedded passives to enable circuit miniaturization*
  - *Long term dormant storage (Hermetic vs. Non-Hermetic)*
  - *Silicon Photonic ICs (PICs) and fiber optics for space*
  - *Passive component solutions for improved power quality*

Presentations are 15 minutes with 5 minutes of Q & A. *The CMSE committee does not require a formal paper submission. You decide how much of the presentation material to provide the attendee. The idea is to promote sharing of basic scientific and technical information about common problems faced by both the component manufacturer and the system OEMs in the Military and commercial Aerospace industry.*

To begin, please upload your presentation abstract by CLICKING HERE.

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"WHERE COMPONENT ENGINEERS MEET"

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