



Call For Papers: **2025 Lester Eastman Conference on High Performance Devices**

Date/Location: August 11-13, 2025, University of Florida, Gainesville, FL

Abstracts are due **April 4, 2025**. Please visit lestereastmanconference.org for the latest information and abstract submission instructions

We are pleased to announce the call for papers for the 2025 Lester Eastman Conference on High Performance Devices, held August 11-13, 2025 in the Nvidia Auditorium of Malachoswki Hall at the University of Florida in Gainesville, FL.

Research abstracts that emphasize innovative material, physics, and architectures to realize high performance device solutions are solicited. The conference will feature sessions on **device technologies for electronics in extreme environments**. Abstract submissions on this topic are strongly encouraged. Some examples of “extreme environments” include high temperature environments, cryogenic temperatures, radiation environments, high electric field and/or power density, and harsh chemical environments. The conference will also feature an industry session with presentations on advances in equipment solutions for extreme environment electronics.

Abstracts should clearly state the purpose of the work, specific results, and how high performance device technology is advanced. Topics of submission include but are not limited to the following areas:

- High frequency devices: RF, microwave, and millimeter-wave transistors, diodes and detectors, and other high-frequency device concepts.
- Power devices: high power and high voltage transistors, diodes, and other components for power electronics applications, including advanced device design and processing.
- Optoelectronic devices: optical emitters and detectors for communication and sensing, LEDs for solid state lighting and communication, high-efficiency photovoltaics, and other optoelectronic device concepts.
- Emerging devices: devices based on new semiconductor materials and physical phenomena, including but not limited to: piezoelectric resonators, ferroelectric devices, electro-optical modulators, quantum devices, bioelectronics, and chemical/biological sensors.
- Extreme environment electronics: advanced materials, device architectures, and test methodologies to validate performance under extreme conditions