

2016 LESTER EASTMAN CONFERENCE ON HIGH PERFORMANCE DEVICES



August 2nd – 4th, 2016 (Tuesday-Thursday)

Lehigh University, Bethlehem, PA, USA

<http://www.leconf.com/>

First Call for Abstracts

Abstracts Due: May 1st, 2016. Abstract Acceptance Notification: June 15, 2016.

We are pleased to announce the first call for papers for the 2016 Lester Eastman Conference on High Performance Devices. Research abstracts that emphasize innovative device concepts and physical phenomena leading to new devices are particularly encouraged. Abstracts should state the purpose of the work, specific results, and how high performance device technology is advanced. Papers are solicited in the general area of devices, including but not limited to, the following areas:

High frequency devices: high frequency electronics, Schottky and BWO devices, vacuum electronics, high frequency passive components

Power switching and energy-efficient devices: high power electronics, normally-off devices, bio-inspired energy storage, wide band gap electronics

Devices for digital logic: low power and energy efficient logic switches, new materials, phenomena, and devices concepts for next-generation logic

Optical emitters: infrared emitters for communication and sensing applications, LEDs for solid state lighting and visible light-based communication, ultraviolet LEDs for disinfection and sensing, lasers, quantum cascade lasers,

Photovoltaics and photodetectors: high efficiency and flexible photovoltaics, photonic techniques for energy generation and transmission, high quantum efficiency photodetectors, avalanche photodiodes

Bioelectronics, MEMS: bioelectronics, chemical/biological sensors, MEMS devices/systems

The **Lester Eastman Conference on High Performance Devices** is a biennial conference. It was officially renamed in 2002 from the IEEE-Cornell Conference on High Performance Devices to honor Professor Lester Eastman, a pioneer in the field of high performance devices based on compound semiconductors. In 1967, Professor Eastman originated the biennial IEEE-Cornell Conference in Microwave Semiconductors shortly after he started GaAs research at Cornell in 1965.

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