

The Long Island Chapter of the IEEE Circuits and Systems (CAS) Society is presenting a lecture titled:

Buck, Boost, and Sepsic Switching Regulator Topologies

Speaker: Mike Kosteva

Thursday February 25 at 6:30pm

(This seminar is free and all are invited. Refreshments will be served at 6pm.)

Who Should Attend?

Anyone interested in switching power supply design and the various topologies

Abstract: There are numerous Switching Regulator topologies each with advantages and disadvantages. This presentation will discuss the various topologies such as Buck Regulators with PWM Control, Synchronous vs. Non-Synchronous, Multi-Phase designs, operating frequencies, filtering, and Continuous, Critical and Discontinuous conduction. Also Boost Regulators, Buck-Boost Regulators and Sepsic Regulators will be covered. Topics such as Efficiency, Losses, Inductor design and the advantages of Synchronous Rectification will be included.

Speaker Bio:

Mike Kosteva

BSEE- Pennsylvania State University

TI- 4 years as a Power AFA -Analog Power Design focus with emphasis on Power Supply Design- Isolated /Non-Isolated Converters

Prior to joining TI spent 10 + years with Artesyn Technologies located in

Framingham, Massachusetts designing AC/DC & DC/DC Converters in the 50 to 500

Watt range. Topologies included flyback, forward, and multi-phase DC/DC both isolated and non-isolated

Location:

This lecture will be held at BAE Systems located at 450 Pulaski Road, Greenlawn, NY. The facility is located just east of Park Ave (Suffolk County Rte 35) on Pulaski Road. The presentation will begin at 6:30 PM. Pizza will be served starting at 6:00 PM. **Registrants must be US citizens.** Please enter from the main entrance facing Pulaski Road.

Registration:

To register please visit the calendar page of the IEEE Long Island Website, WWW.IEEE.LI, click on the registration link, and fill out the form.