



If it's current technology, it's high speed

SIGNAL INTEGRITY AND HIGH SPEED SYSTEM DESIGN COURSE with IEEE CAS HALIFAX, NOVA SCOTIA

Event: Two-day Signal Integrity and High Speed System Design Course

Date: September 9-10, 2013. **REGISTRATION DEADLINE: AUGUST 26, 2013**

Location: The Westin Nova Scotian
1181 Hollis Street
Halifax, Nova Scotia B3H 2P6

Course Description:

This two-day training session on signal integrity and high speed system design and their associated design elements is the premier course offered by Speeding Edge and has been taught to more than 8,000 engineering professionals worldwide. Conducted by one of the world's leading experts on high-speed PCB and computer system design and Speeding Edge President, Lee Ritchey, this very practical course is thorough and comprehensive. It covers all the physics involved in high-speed design, explaining the science behind each one of the principles, their role in high-speed systems and how to properly manage the design process to account for them. This course will give the engineering professional the fundamental knowledge necessary to make the most efficient design rule set; organize the design process to efficiently execute the design, select the appropriate PCB materials and choose the toolsets that will best suit the design process. This course is especially relevant to IC designers as device speeds outstrip the traditional packages and application notes. This course has been designed to be very hands-on such that students can immediately apply the knowledge gained from the class to their current design environments.

As speeds and complexities of ICs have grown, their power requirements have changed dramatically. The practice of "sprinkling" capacitors around a PCB has proven deficient with these ICs, leading to many design failures related to power delivery. In the fact, the majority of design failures, both functional and EMI, are traceable to power delivery problems. For this reason, a majority of this course focuses on how to design robust power delivery systems, a topic that is often ignored by manufacturers in their application notes.

Note: A Special Section has been added to this course to deal with the multi-gigabit per second differential signaling being used in virtually all new products.

What's Included:

- *3-ring binder containing all presentation slides used in class
- *Signed course certificate
- * Copy of Right the First Time Volume 1 Book on CD-ROM
- *Continental breakfast and lunch and beverages both days

Cost: **SPECIAL FIRST TIME HALIFAX CLASS OFFERING: \$1,000 per student!** To register for this course, please visit our website at www.speedingedge.com . For more information regarding this course, please contact speeding edge at 707-568-3983 or send an e-mail to kjspeedingedge@cs.com .

Daily parking fee is included in the class cost. Accommodations are not included in the course fee. Any attendees requiring accommodations will receive a 20% discount for class dates. To make reservations and receive discounted room rate, register at: www.westin.com/halifaxcatering20.