

IEEE Oregon Seminars at OctoberBest 2008

IEEE02: “Product Design and Regulatory Compliance Process”

Speakers: Henry Benitez, President, ElectroMagnetic Investigations, LLC
Derick Skouby, Engineering Director, ElectroMagnetic Investigations, LLC
Al Warren, Principle Engineer, Safety Thru Design, Inc.

Date: Wednesday, September 24, 2008
Time: 8:00 AM – 11:50 AM
Location: Tektronix Conference Center, 13975 SW Karl Braun Drive
Beaverton OR 97077
Cost: \$75/\$99 (See Registration Section for complete pricing info)
CEUs: 0.3 CEUs (3 PDH) awarded upon completion

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Web: <http://www.ieee-or.org/events/ob2008>

This is a half-day technical seminar sponsored by the IEEE Oregon Section.

Registration/check-in starts at 8:00 am, with the seminar starting promptly at 8:30.

Abstract:

This short course will focus on the product design process from concept to end of life taking into account its design for regulatory compliance.

The following aspects will be addressed:

- Overview of product regulatory requirements for electromagnetic compatibility and product safety.
- Update on changes to EMC and Product Safety European Regulatory requirements and test standards.
- Introduction of product regulatory steps within the product design cycle.
- EMC test standards will be discussed in detail to include discussion of each EMC phenomena and test methods.
- Product design guidance for EMC and Product Safety compliance.

Schedule:

- 8:00 am – Registration and Refreshments
- 8:30am – 9:45am – Seminar
- 9:45 – 10:00 am – Morning Break (approximate)
- 10:00 am – 11:30 am – Seminar
- 11:30 – 11:45 am Wrap-up
- Noon – OctoberBest 2008 Keynote, complimentary lunch

Intended Audience

This course is intended for engineering professionals – design and manufacturing engineers, compliance engineers/managers, product engineers/managers, manufacturing and product development managers.

Course Objectives

The purpose of this seminar is to present recent developments in EMI and Product Safety regulations, provide attendees with an understanding of world wide compliance regulations for EMC and Safety, and how that may impact their work, and teach practical design for EMC compliance techniques attendees can apply to their product designs.

Prerequisites

Experience or education (AS or BS level) in electronic (or electrical) engineering, physics, computer engineering, related scientific fields.

Registration:

The seminar will be held Wednesday, September 24 at the Tektronix Conference Center on the Tektronix Beaverton Campus, 14200 SW Karl Braun Drive, Beaverton, OR 97077. Registration/check-in starts at 8:00 AM, with the seminar starting promptly at 8:30. Refreshments will be provided. Lecture notes will be provided to all attendees. In addition, 0.3 CEU's (3 PDH) will be awarded upon completion of the seminar.

	IEEE	Other
Registration Fee	\$75	\$99

Directions:

The Tektronix Conference Center (Building 38) is located on the Tektronix Beaverton Campus. See http://www.tek.com/ir/campus_map.pdf From SW Jenkins, turn onto Hocken, then right onto Terman and then left onto Zworykin.

Instructors:

Henry Benitez is a NARTE certified EMC and Telecommunications Engineer with 30 plus years experience. Henry has over 30 articles published in technical magazines, colloquiums, workshops and conferences. He gives presentations on EMC and Product Regulations topics at conferences in the United States, Europe and Asia.

He received his Bachelor of Science degree in Electrical Engineering from the University of Portland. He is a member of the University of Portland Electrical Engineering Faculty/Industry Advisory Board.

He is President of ElectroMagnetic Investigations, LLC, an electromagnetic compatibility test laboratory in Hillsboro, Oregon.

Derick Skouby has been in EMC for approximately 10 years. He received his Bachelors degree from the University of Missouri-Rolla in Electrical Engineering. Following graduation from UMR with his Bachelor's degree, Derick continued his education in EMC and, under the direction of Dr. Todd Hubing, earned his Masters Degree from the University on Missouri-Rolla in one year. After obtaining his Masters Degree, Derick has led numerous projects through design for compliance to FCC, CE, BSMI, VCCI, SAE, GM, and MIL Std specifications. He is a NARTE certified engineer.

Derick is currently the Director of Engineering, and principal consultant at ElectroMagnetic Investigations, LLC an EMC test facility in Hillsboro, Oregon.

Al Warren is the owner of Safety thru Design, Inc. providing a Regulatory consulting and Product Safety consulting and testing services. Al is a former employee of TUV America and is now a TUV America Representative, with 10 years of experience in product safety and regulatory.

Al has 15 years of experience in product design and development. Thirteen years spent at Electro Scientific Industries in Portland, OR.

Al is a member and officer of the IEEE Product Safety Engineering Society Oregon chapter, a NARTE certified Product Safety Engineer and a Laser Institute of America certified Laser Safety Officer.

Al received his Bachelor of Science in Electronic Engineering from DeVry Institute of Technology in Phoenix, Arizona in 1978.

NOTE: The registration fee includes one copy of the lecture notes, CD-ROM with course materials, continental breakfast, morning break, and admission to OctoberBest. The organizing committee reserves the right to substitute speakers, restrict size, change venues, or to cancel the seminar. In the event the seminar is canceled by the organizing committee, registration fees only will be fully refunded. Individuals canceling their registration prior to September 1 will receive a full refund. No refunds will be made to individuals who cancel their registration after September 1. Substitute attendees accepted. Attendance is limited. Registration will be confirmed on a first come, first served basis.