Measurement of Radio-Noise Emissions (ANSI C63.4) and Introduction to Measurement Uncertainty

This workshop is presented in two parts based on the 2008 edition of ANSI C63.4 and an introduction to basic principles of measurement uncertainty with examples applicable to EMC measurements. These workshops are designed to increase your understanding of the methods of measurement of radio-noise emissions from low voltage electrical and electronic equipment in the range of 9 kHz to 40 GHz as it applies to determining compliance with FCC technical standards for digital devices and other similar product requirements. The C63.4 workshop is followed by a half-day introduction to measurement uncertainty and a review of the work contained in the draft ANSI C63.23 on the subject, currently under development.

Workshop Overview

In this workshop, you will learn about:

- RF emission measurement procedures
- How to use ANSI C63.4
- National and international regulatory implication
- Test facility and instrumentation requirements
- Equipment test arrangements
- Simple and complex information technology equipment (ITE) problem solving workshop
- Application to other than ITE
- Measurement uncertainty

Support Material

- ANSI C63.4-2008 and portions of the draft ANSI C63.23
- A complete lecture notebook
- FCC handouts and references

Who Should Attend

Registration Form

Those responsible for determining compliance with FCC Rules and

Regulations (and CISPR 22) of their own or their client's products, including:

- Product Developers
- Test Engineers and Technicians
- Product Managers
- Regulatory Compliance Managers
- Test Instrumentation Developers and those who are responsible for determining the uncertainty of emission measurement instrumentation

Date and Location: August 15-16, 2008 Detroit Marriott - Renaissance Center

IEEE EMC 2008 Headquarter Hotel Phone: 313-568-8000 or 800-228-9290 Please make your hotel reservation by calling the hotel directly and asking for the EMC 2008 Symposium rate. Or, reserve your room on line at www.emc2008.org

Expert Instructors

Contact: Janet O'Neil

The ANSI C63.4 workshop instructors are Donald N. Heirman, Workshop Director, (Don HEIRMAN Consultants), H. Robert

Hofmann (Hofmann EMC Engineering), and Bill Hurst (Federal Communications Commission); instructors for the measurement uncertainty workshop are: Don Heirman, Mike Windler and Bob Delisi (both of Underwriters Laboratories)

Fee Includes:

C63.4: Complete lecture notebook, continental breakfast, lunch (first day only) breaks, and completion certificate.

Measurement Uncertainty: Lecture notebook and certificate of completion

Agenda

ANSI C63.4:

Aug. 15 7:30 am Registration and
Continental Breakfast
Class: 8:00 am to 4:30 pm
Aug. 16 Class: 8:00 am to noon
Measurement Uncertainty:
Aug. 16: 12:45 pm: Registration

Class: 1:15 pm to 4:45 pm

Consultants), n. Robert

Telephone: 425-868-2558	Fax: 425	-868-2558 (call first)
Ms./Mr		
Company		
Address		
City	State	_Zip
Daytime Phone	Fax_	
Email		
Credit Card (check one): MC_	Visa	Amex
Credit Card No:		
Expiration Date:		
Signature:		

C63.4 workshop only (1 and ½ days)—15	-16 August
By June 15*:	\$800 USD
C63® & S/C Members (by June 15)	\$750 USD
Measurement Uncertainty (half day)—10	6 August PM
By June 15*:	\$400 USD
C63® & S/C Members (by June 15)	\$350 USD
Both workshops	
By June 15*:	\$1000 USD
ASC C63® & S/C Members (by June 15)	\$ 950 USD
Add \$200 if after June 15 or at the door** Add'l copy of both workshop notebooks***	
	Total \$ USD

Check or Credit Card Number must accompany registration. Make check payable to U.S. EMC Standards Corporation in U.S. dollars drawn on a U.S. bank. Mail to:

Janet O'Neil ETS-Lindgren 22117 Northeast 10th Place Sammamish, WA 98074 Email: j.n.oneil@ieee.org

NOTE: You are not registered until you receive confirmation *Please do not mail after July 10.

- **With prior telephone or fax registration only.
- ***Order by June 15 for pickup at the workshop.

The organizing committee reserves the right to substitute speakers, modify the program (or lecture notes), restrict attendance or to cancel the workshop(s). In the event the workshop(s) is/are canceled, registration fees will be refunded. No refunds will be made to individuals who cancel after July 10. Substitutions are allowed. Workshops without a minimum of 15 attendees signed up by 1 July 2008 will be cancelled and registration fees returned. It is suggested that you book refundable travel arrangements as appropriate if workshop(s) is/(are)s cancelled.