

SMITH AND FISHER in cooperation with  
NARDA SAFETY TEST SOLUTIONS presents:

# Radio Frequency Safety Officer Training Seminar

BIOLOGICAL EFFECTS • STANDARDS • EVALUATION



## WHO SHOULD ATTEND

Safety Professionals  
Engineers  
Military  
DOD Contractors  
Industrial Hygienists  
Insurance Professionals  
Managers in Industry, Government and Service Organizations

## FOCUS

Understanding the biology of RF Radiation  
Evaluating the risk potential of different sources of NIEMR  
Developing and implementing an RF safety protocol

## SEMINAR DATE AND LOCATION

**Dates:** Thursday, November 8, 9 am – 3:30 pm  
Friday, November 9, 9 am – Noon  
Embassy Suites Orlando Airport—Orlando, Florida  
Breakfast and evening cocktails provided by hotel  
Lunch and breaks each day provided by Smith and Fisher

## COURSE OUTLINE

### Day One

Introduction  
Definition  
Biology of RF  
Exposure Standards

- U.S.
- Canadian
- International

Antenna Types

### Day Two

RF Measurement Instrumentation  
RF Survey Techniques  
Developing an RF Protocol  
Case Studies  
Course Review

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## WHY YOU SHOULD ATTEND

Recent media and scientific interest in non-ionizing electromagnetic radiation has expanded the awareness of the public and workers of possible hazardous conditions that may exist in the workplace and general environment. As these sources of energy are increasingly used in industry and consumer products, there is a need to determine if government-based human exposure requirements are being met. In this course, you will learn about RF energy and its effect on the human body, how the exposure standards were derived, how to measure the RF levels in a location of concern, and how to develop an appropriate safety protocol based on the results.



## ABOUT THE PRESENTER

**Kevin Fisher** joined the engineering consulting firm of Smith and Powstenko in 1981, as an associate engineer. In 1995, he became a partner and the firm's name officially changed to Smith and Fisher. In 2009, the company incorporated and Kevin became president of the firm.

Since the 1980's, Kevin has conducted hundreds of power density (RF) studies and surveys in order to help broadcast FM and television stations, non-broadcast communications facilities owners, manufacturers, and building owners comply with Radio Frequency Radiation (RFR) human exposure standards. Kevin is currently under contract as the RF consultant for the Empire State Building in New York City and has performed dozens of routine and non-routine power density studies there. In addition, he conducts regular RF safety training for employees, tenants and contractors associated with the ESB. He has also conducted lab tests, field surveys, RF safety training and Narda equipment use/training for Duquesne Light (Pittsburgh), Commonwealth Edison (Chicago) and the Washington State Patrol, to name but a few.

Kevin is an active member of the International Committee on Electromagnetic Safety and the Institute of Electrical and Electronics Engineers. He has actively participated in various advisory committee projects for the FCC, testified as an expert witness in hearings and trials, and his qualifications as an expert in his field are a matter of record before the Federal Communications Commission.

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## REGISTRATION

**Fill out the following form and send to:**

Smith and Fisher, LLC  
4791 Wintergreen Court  
Woodbridge, VA 22192

Forms can also be e-mailed to:

**Kevin@SmithandFisher.com**

## COST

The registration fee for this seminar is **\$1500.00**.

Payment can be made with Visa, Mastercard, company check or money order.

Confirmation will be e-mailed once payment is received.

## REFUND POLICY

100% Up to 2 weeks prior to class  
50% Up to 1 week prior to class  
No refund if cancelled within 1 week of class

## HOTEL ACCOMMODATIONS

**Embassy Suites Orlando Airport**

5835 TG Lee Boulevard  
Orlando, Florida 32822

Hotel provides free shuttle service from airport.

**Note:** We have blocked a number of rooms at a special rate. Details on reserving a room will be supplied by e-mail once registration is received.

# Radio Frequency Safety Officer Training Seminar



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## REGISTRATION FORM

### Contact Information

Name \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip Code \_\_\_\_\_

Telephone Number \_\_\_\_\_

Mobile Number \_\_\_\_\_

E-mail Address \_\_\_\_\_

### Payment Method

- Company Check or Money Order  
*(made out to Smith and Fisher, LLC)*

**Mail to:**

Smith and Fisher, LLC  
4791 Wintergreen Court  
Woodbridge, VA 22192

- Visa -OR- Mastercard  
*In order to maintain the highest level of security regarding credit card payments, we use Paypal to process these transactions.  
If this box is checked, we will send you an e-mail with a link to the Paypal invoice for this transaction. You will then have the choice of using a Paypal account to pay the invoice or enter your credit card information for processing.*