

# HIGHLIGHTS AND KEY CONCEPTS OF FOOTWEAR/FLOORING STANDARDS

**ONLINE - NOV 16, 2010 • 11:00 A.M. EASTERN TIME**

## **HIGHLIGHTS AND KEY CONCEPTS OF FOOTWEAR/FLOORING STANDARDS**

Nov 16, 2010 • 11:00 a.m. Eastern Time • Course Length - One Hour.

Instructor: Kevin Duncan, Seagate Technology, Inc.

Footwear/Flooring Systems can play a major role in a successful ESD Control Program. How do you properly select and implement an ESD Footwear/Flooring System? This course will provide an overview of the concepts and Standards used for product qualification of footwear and flooring, as well as compliance verification of a Footwear/Flooring System.

Topics Covered in this course include,

- Qualification and Verification of ESD Footwear
- Qualification and Verification of ESD Flooring
- Qualification and Verification of an ESD Footwear/Flooring System

This course will focus on the Footwear/Flooring Standards and Standard Test Methods related to selecting and implementing a Footwear/Flooring System for use an ANSI/ESD S20.20 Control Program.

- ANSI/ESD S7.1 – Floor Materials – Characterization of Materials
- ANSI/ESD STM9.1 – Footwear – Resistive Characterization
- ANSI/ESD STM97.1 – Floor Materials and Footwear – Resistance Measurement in Combination with a Person
- ANSI/ESD STM97.2 – Floor Materials and Footwear – Voltage Measurement in Combination with a Person

### **ABOUT THE INSTRUCTOR**

**Kevin Duncan** is a Staff Engineer at Seagate Technology in Bloomington, MN. He has been employed at Seagate since 2005 and is responsible for controlling ESD in the extremely ESD sensitive Slider and Head Gimbal Assembly (HGA) processes. Kevin has been a member of the ESD Association since 2000 and is currently a member of the ESDA Standards Committee, Technical and Administrative Support (TAS) Committee, Technical Program Committee and Working Group 9.0, Footwear. He is also actively involved in several other Standards Development Committees. Kevin is an ESD Certified Professional Program Manager and a Technical Expert on the US National Committee/IEC Technical Committee 101, where he represents the United States on issues related to Electrostatics.

### **Equipment Requirements**

This course uses a multi-way audio broadcast over the Internet. You will need a soundcard and speakers (a headset is recommended) installed to hear the presenter during the course.

**Attendees can send questions to the presenter via text chat, other interaction is not available.**

ESD Association • 7900 Turin Rd Bld 3 • Rome NY 13440  
Phone 315-339-6937 • Fax 315-339-6793  
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## Registration Form

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Company Name: \_\_\_\_\_

Street: \_\_\_\_\_ City: \_\_\_\_\_

State/Province: \_\_\_\_\_ Country \_\_\_\_\_ Zip/Postal Code: \_\_\_\_\_

Is Address (please circle the one that applies) Home or Company

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

<b>Cost</b>	members	non-members
	\$95.00	\$140.00

**Registration is requested by Oct 26th to guarantee course scheduling  
Registrations will be accepted until Nov 15th**

Refunds will not be given for cancelations. In the event of a cancelation, credit will be given to attend a different online class.

## Payment Information

Payment is required at time of registration. Only checks drawn in U.S. currency on a U.S. bank that is a member of the Federal Reserve will be accepted; make checks payable to ESD Association. Visa®, Mastercard®, Discover® and American Express® are accepted.

Amount enclosed \$ \_\_\_\_\_  Check  Credit Card

Credit card type: Visa® Mastercard® Discover® American Express®

Credit card number: \_\_\_\_\_ Expiration date: \_\_\_\_\_

Name on card: \_\_\_\_\_ Security code: \_\_\_\_\_

Cardholder's signature: \_\_\_\_\_

**Mail, or fax this form with payment to:**

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