



CAL POLY PRESENTS

ESD BASICS, FACTORY ISSUES & EQUIPMENT, STANDARDS, SAFEGUARDS, PACKAGING & MATERIALS AND TEST METHODS

Robert J. Vermillion, CPP

Certified, ESD Engineer-NARTE

Certified, Product Safety Engineer-NARTE

RMV Technology Group, LLC

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Technical Level: Basic/Intermediate/Advanced

Time: 9:00 AM – 4:30 PM Date: **Monday, 30 April 2007**

Registration: 8:00 AM - 9:00 AM

Abstract: Factory Issues and ESD Auditing Techniques, General ESD Practices, Monitoring, Ionization, Machine Considerations for ESD Safety, ESD Materials & Packaging both inside and outside the ANSI/ESD S20.20-2006 ESD Protective Area (EPA) will be presented. A Study of the Materials Qualification Sequence will be discussed for product protection in the factory, cleanrooms, plus outgoing shipments and field repairs. ESD design considerations for materials and packaging schemes are important for selecting the proper ESD polymer or ESD paperboard to protect ESD Sensitive Devices from Electrostatic Discharges, Charge Generation and Charge Device-Field Induced Model Hazards. One will gain a basic understanding of ESD materials, plus coverage of ESD design and packaging fundamentals, together with material protocols and the NEW ESD Packaging Test Methods per ANSI/ESD S541-2003 with on-site demonstrations. This course will cover the ranges and values for ESD Testing Methods at the proper relative humidities as outlined in the pages to follow. With interactive software, you will observe how Charges and ESD events occur with materials in the shielding, conductive, static dissipative and insulative ranges, plus protective measures to employ.

Register for Poly Pack 2007

Early Bird Registration: \$445.00/After 16 April \$495.00

For more information, please call:

Dr. Jay Singh

Department Chairman

Tel: (805) 756-2129 Fax: (805) 756-6111

jasingh@calpoly.edu

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or

Renee Mitchell

Tel: (925) 673-0225 email: renee@esdrmv.com



ESD Seminar Registration Form

Cal Poly ESD Seminar
Bob Vermillion, CPP
Certified ESD Control and Product Safety Engineer-NARTE
Technical Level: Basic/Intermediate/Advanced
Time: 9:00 AM – 4:30 PM Date: Monday, 30 April 2007
Cal Poly, One Grand Avenue, San Luis Obispo, CA. 93407

Make checks payable to Cal Poly. Mail check and registration form to Cal Poly, School of Engineering, One Grand Avenue, San Luis Obispo, CA. 93407

Phone registration: Dr. Jay Singh, Department Chair
jasingh@calpoly.edu
805-756-2129 Fax registration: 805-756-6111
Seminar Information: Renee Mitchell 925-673-0225 Fax: 925-672-3316
renee@esdrmv.com

Personal Information

Form fields for personal information: First Name, Last Name, Company Name, Your Position, City, State, Zip, Country, Phone, Fax, E-Mail

Payment

Payment information fields: Company Check No., Personal Check No., Visa, Mastercard, Am Express Card, #, Exp. Date, Name as it appears on card, Cardholder Signature

Seminar Fee (includes lunch): Early Bird \$445.00 before April 16. After April 16 \$495.00

Amount enclosed: _____

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