



Common Ground

President's Message

October 9, 2008

by Steve Block

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At our last meeting on September 15th we had Leo G. Henry present on "Charged Board Events-An ESD Event with more energy /power than CDM". This was a very interesting meeting with some great discussion. Leo is an expert in Failure Analysis (FA) and shared his insight on how a charged board can be discharged through a device and do great damage. Of course, our discussions before, during, and after the meeting considered the question of how a board could get charged in the first place if it is being handled and transported properly in an ESD controlled area. But, we all should keep an open mind and realize things can and do go wrong. So, be aware that if a board does somehow get charged up (even just to a small voltage that normally is below your devices ESD threshold), that you can potentially have a catastrophic failure because of the large capacitance of the board delivering a lethal strike to a component. We hope to have Leo G. back again in the future to possibly teach our FA segment in the ESD Program Manager classes in May or June.

Our upcoming meeting on December 8th is always well attended and very interesting. This is the meeting we have about every 2 or 3 years in which we invite Local Suppliers of ESD Control Products and they get their opportunity to demonstrate how their products work and why they have the best product for your application. Typically, we have four presenters focused on four different product categories deemed of interest to our chapter membership by our Chapter Board of Directors (BoD). The BoD actually starts with a long list of possible categories, which includes ionization, continuous

monitors, grounding, packaging, instrumentation, mats, chairs, flooring, auditing equipment, and everything else we can think of and then we pick what we hope will be the most interesting categories for our chapter members that select that type of product. Then we solicit all of our Local Chapter members that are suppliers to submit their entries. We choose one presenter in each of four or five categories and then publish and promote who the presenter will be and on what topic. It is a great opportunity for our membership to come and hear about products from our local sales people and/or their vendors in town, in an efficient way and see the questions asked by other suppliers and by other manufacturing companies considering implementing those static control products. So, I hope to see all of you at the December 8th meeting and you can bet you will see some great products presented that solve real world static control needs !

2008 Chapter Meeting Schedule

Tim Jarrett – Program Chairperson

December 8th

- Meeting Site: Seagate Technology, 1280 Disc Drive Shakopee, MN
- Host: Dale Parkin
- Topic: Supplier/Sales Presentation

Additional meeting details will follow via e-mail announcements. If you are not on the chapter's list, please contact Tim Jarrett [tim.jarrett@bsci.com]

On October 1, the board met and selected the following 2009 Chapter meeting dates:

Proposed 2009 Chapter Meeting Dates

March 9
June 8
September 21
December 7

We strongly encourage all chapter members to consider hosting a future meeting. In addition, if you have a static related control topic you'd like the local board to cover during a future meeting, please contact Tim or any of the Chapter Board members.

Membership

by Bernie Reiland

We currently have 64 members, an increase of seven since the last report.

Our new members are: Eric Stromberg (E-Tronix), Greg Trettel (Goodrich Aerospace), John Hofmeister (Goodrich Aerospace), Susan Savage (John Hopkins Applied Physics Lab), Vanessa Mirable (Lubrizol) We welcome our new members.

Returning members: Carl Olson and Maurnice Ranasinjhe We welcome you back. We have about a 50-50 split of vendors and users.

Secretary's Report

September 15, 2008 Meeting

by Kevin Leonard

The meeting was held at the Ramada Inn Bloomington on September 15, 2008.

4:40 pm Dinner was served after social time.

5:30 pm President Steve Block called the meeting to order requesting the reports from the officers.

Secretary's Report Kevin Leonard summarized the minutes from the June meeting which was held at the Bloomington Holiday Inn. The guest speaker was Dave Swenson from Affinity Static Control Consulting. His presentation was titled "A Review of ESD DSTM 2.1", the standard test method for evaluating ESD garments.

Treasurer's Report Jack Chandler gave the balance figures from the money market account and checking account. He also reported the chapter received a check for \$14,850.00 from the ESD Association for locally hosting the Program Manager tutorial in May.

Membership Chair's Report Bernie Reiland reported current membership at 59 plus an additional 5 new members that signed up earlier in the evening.

2008 Chapter Members

National Delegate Report Dale Parkin recapped the events of the national symposium which took place at the Westin La Poloma in Tucson, AZ. The attendance was about the same as 2007. Standards meetings occurred Friday through Sunday.

Program Chair Report Tim Jarrett requested some ideas for a host location for the December meeting. It was suggested we consider having a sales presentation portion during the meeting in place of a guest speaker. Tim then requested Dave Swanson to speak about the ESD Symposium. Dave mentioned the ESD association has reserved the Westin for a return symposium September 6, 2012. Membership is stable in tough economic conditions and 50% of the attendees were from outside the United States. Dave also said there is a shift back to more control at the factory level.

5:50 pm Steve Block moved to adjourn the business portion of the meeting.

6:15 pm Tim Jarrett introduced our guest speaker Mr. Leo G Henry of TLP Consultants. Leo's presentation was about Charge Board Event (CBE). He gave a brief history of evidence that has been present since 1981. The premise to CBE is that components do not have the same ESD susceptibility when attached to the printed circuit board. Leo discussed several examples of how CBE occurs and is trying to recruit companies to participate in case studies. The problem is there is no standard for CBE testing at this time and Leo would like participates to help explore the further development of a test method.

7:20 pm Steve Block concludes the meeting.

Tony Adrian – Honorary Chapter Member
Brad Ahlm - Conductive Containers, Inc
Curt Anderson - Production Automation
John Auger - Celestica
Jeff Benke - Production Automation
Steve Block - Production Automation
Steve Braun - Central Container
Marshall Canaday - Production Automation
Jack Chandler - Boston Scientific
John Croes - Goodrich Sensor Systems
Tom Culbertson - Goodrich Sensor Systems
Jeff Dorsch - Datakey Electronics, Inc.
Kevin Duncan - Seagate Technology
Gerald Feigal - TSI, Inc.
Brad Fern - Logic EMS
Ken Flygare - Boston Scientific
Steven Frankeberger - Rudolph Technologies
Mike Gressman - Goodrich Sensor Systems
Ralf Hermann - Boston Scientific
Chris Hessler
John Hofmeister - Goodrich Aerospace
John Japs - Tonka Electronics, Inc
Tim Jarrett - Guidant Corporation
Steve Johnson - Goodrich Sensor Systems
Joane Kerkow - Goodrich Sensor Systems
Tom Lee - Celestica
Kevin Leonard - Central Container
Jerry Lindholm - Electri-Rep of MN, Inc.
Doug Loberg - Benchside Technologies
Tim Machacek - Conductive Containers, Inc
Jay Martin - Production Automation
Jim McLinn - Teradyne
Kris Meacham - JW Sales Inc.
Bob Melander - Detector Electronics
Scott Meyer - Goodrich Sensor Systems
Vanessa Mirabile - Lubrizol
Jeff Mucha - EI Microcircuits
Brian Nelson - Micro Control Company
Eric Newton - Honeywell
Carl Olson
Gordan Olson - Digi International
Dale Parkin - Seagate Technology
Lisa Pimpinella - ESD Association
Maurice Ranasinjhe – Guidant (Retired)
Bernie Reiland - Transoma Medical
Don Reynolds - 3M
Mike Riley - Midwest Production Supply

Larry Roberts - Daktronics
Susan Savage - John Hopkins Applied Physics
Lab
John Schneider - Gerneral Dynamics
Scott Schreck - EIS, Inc.
Penny Schroeder - TEK Products
Carroll Slaughter - Celestica
Chris Strand - Unisys
Erik Stromberg - E-TRONIX
Sally Tavernier - Boston Scientific
Greg Trettel - Goodrich Aerospace
Loren Voigt - Medical Graphics Corp
Doren Wagar - EI Microcircuits
Tim Walker - Rudolph Technologies
Tom Watkins - Transforming Tech,LLC
Merle Weight – Unisys (Retired) Honorary
Chapter Member
Ed Wetterstrom - Rosemount Inc
Craig Zander - Prostat Corp
Roger Zimmerman - Conductive Containers,Inc