



# Common Ground

## Chapter Officers

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## President's Message

March 26, 2008

*by Kevin Duncan*

Welcome to a new year with the North Central Chapter of the ESD Association. This year should prove to be very exciting. We are barely underway and already we have had a great meeting. Our Annual Membership Dinner and Chapter Meeting was held on March 9th at the Holiday Inn Select Hotel and Suites in Bloomington. Our guest speaker was John Kinnear of IBM, Poughkeepsie. John's technical presentation provided a detailed look into a 2008 Factory and Materials Symposium Paper, "Process Capability and Transitional Analysis" (co written by Stephen Halperin and Ron Gibson).

We have an excellent opportunity for our members this year as our national organization will be holding it's Summer Standards meeting series at the Minneapolis Hilton starting on May 7th and running through May 12th. If you have ever wondered how a standard becomes a standard, this meeting series is for you. No matter what your area of expertise or interest; be it ionization, device testing, handlers, handtools, compliance verification, workstations, packaging, garments, grounding, flooring, gloves or general interest, this is the place to be. All are welcome to attend the working group and Standards meetings. I promise, you won't be disappointed. This is a great opportunity to network with your peers and find out what is new and exciting in the world of ESD.

We are pleased to announce a 30% discount for all 2008 NC Chapter members for upcoming tutorials to be held during the May meeting

series. The four tutorials will be, *ESD Basics for the Program Manager, How To's of In-Plant ESD Auditing and Evaluation Measurement, System Level ESD/EMI: Testing to IEC and Other Standards and Device Technology and FA Overview*. If you are thinking of pursuing an ESD Certified Professional Program Manager certification or already on your way, you won't want to miss this opportunity.

Finally, I would like to thank you the NC Chapter Members for the opportunity to serve you as your President for 2009. Because of you we have one of the strongest Local ESD Chapters. I would also like to thank the volunteers who have spent countless hours to ensure our meetings are enormously successful. We couldn't do it without you. I look forward to the meetings and activities we have scheduled this year. Hope to see you there.

## **2009 Chapter Meeting & Event Schedule**

*Tim Jarrett – Program Chairperson*

May 6th – Tutorial - ESD Basics for the Program Manager

Presenter: Steve Halperin

Location: Hilton Minneapolis

8:30 AM - 4:30 PM

May 6th – Tutorial - System Level ESD/EMI: Testing to IEC and Other Standards

Presenter: Mike Hopkins

Location: Hilton Minneapolis

8:30 AM - Noon

May 6th – Tutorial - Device Technology and FA Overview

Presenter: Leo G Henry

Location: Hilton Minneapolis

1:00 PM - 4:30 PM

May 7th – Tutorial - How To's of In-Plant ESD Auditing and Evaluation Measurement

Presenter: Steve Halperin

Location: Hilton Minneapolis

8:30 AM - 4:30 PM

June 8th - Chapter Meeting

Host Site: Daktronics, Redwood Falls, MN

Technical Topic: Factory Tour

September 21st - Chapter Meeting

Host Site: TBD

Technical Topic: TBD

December 7th - Chapter Meeting

Host Site: TBD

Technical Topic: TBD

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]

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 finished 2008 with 64 members, 41 Users, 23 Vendors. The membership is holding steady around that number. We are off to a good start for 2009 with 47 paid at this time. The Credit Card transactions were open in February and March. The cost of membership remains the same: \$35.00 for one to four members and \$30 per person over four from the same company. If anyone is interested in joining, contact Bernie at bjreiland@aol.com . Benefits are meetings with ESD experts and networking with people interested in ESD.

# Secretary's Report

March 9, 2009 - Annual Dinner Meeting

*by Kevin Leonard*

The meeting was held at the Holiday Inn Select Bloomington on March 9th 2009.

4:00 PM Sign in and social time.

5:05 PM President Kevin Duncan called the meeting to order requesting the reports from the officers.

Secretary's Report Kevin Leonard summarized the minutes from the December meeting which was held at Seagate in Shakopee. The Chapter held the annual Supplier Sales Presentation meeting. The following participants presented.

1. Ionization - Mike Riley
2. Personal Grounding – Don Reynolds
3. Footwear and Flooring – Chris Meachum
4. Packaging Materials – Vanessa Mirable
5. Instrumentation and Testers – Craig Zanders

Treasurer's Report Craig Zander gave the balance figures from the money market account and checking account.

Membership Chair's Report Bernie Reiland reported 2008 membership was 64 members and the 2009 membership is at 21 to date.

National Delegate Report Dale Parkin reported on the February standards meeting that were held in Anaheim, CA. The summer standards meeting will be held in Minneapolis this May 7th through the 12th at the Minneapolis Hilton. The 2009 EOS/ESD Symposium will be held August 30th through September 4th at the Disneyland Hotel in Anaheim, CA.

Program Chair Report Tim Jarrett reported that the June meeting will be hosted by Daktronics in Redwood Falls, MN. Tim elaborated on the upcoming tutorial May 6th and May 7th. Fred Tenzer was called out of the audience to give an

overview of what goes on during a standards meeting.

Website Editor Tom Lee reviewed the web site address content. [www.esdnorthcentral.org](http://www.esdnorthcentral.org)

5:45 PM Kevin Duncan presented Steve Block with gift card for serving as the past president.

5:50 PM A drawing was held as a door prize for a free day at the upcoming Tutorial in May. John Kinnear pulled Merle Weight's name.

5:55 PM Kevin Duncan called the secretary for a recap of the business meeting notes. Once the meeting notes were given the business meeting was official adjourned.

6:00 PM Dinner was served.

6:45 PM John Kinnear of IBM Poughkeepsie, NY presented his paper titled "Process Capability and Transitional Analysis"

The paper focused on answering the key question if your process is capable of protecting in relation to the ESDS. The sensitivity trend through 2010 is 100 volt for HBM, 50 volt for CDM, and 10 for MM. With these voltage sensitivities lowering it is imperative to know what your process is capable of protecting too. The three main steps to accomplish this are as follows:

1. Define the critical path and transition point from receiving to shipping.
2. Perform the transitional analysis measurements. Compare the findings to the electrostatic voltages of ESDS devices and conductors that come in contact along the way.
3. Summarize the process analysis to implement fixes.

John's paper is available on the Prostat website.

7:55 PM Kevin Duncan concluded the meeting.

## 2008 Chapter Members

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 – Verify, Inc.  
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 - General 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