



Common Ground

July 18, 2007

President's Message

by Tom Lee

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Our Chapter's mission of providing education on ESD related topics continues to be an important role for us. A few years ago the ESD Association came out with a certifiable training program whereby a person could obtain the title of an, "ESD Program Manager", by completing 10 specialized ESD courses with finalization in the successful completion of an exam.

In the very beginning our Chapter took a close look at the ESD Association's permission for local Chapters to host these training courses. We looked at this as an opportunity to provide some great ESD training classes locally along with generating a little revenue for the Chapter. We carefully considered the logistics and it seemed very feasible with a little effort contributed by some of our wonderful volunteers. We had our doubts at first, mainly about getting enough people to attend the classes, but it seems that as time goes on more and more people are jumping on board to complete these courses and to become certified as an ESD Program Manager.

This has been the 3rd year our Chapter has hosted the Program Manager courses and it is my sincere wish that we continue in the years to come. The revenue we have generated from hosting has enabled our Chapter to stay "in the black" which then allows us to bring in some great technical topic speakers to our Chapter meetings. It seems to be a win-win situation for everyone.

I hope you all can make it to our September meeting. I like to keep stating the fact that it was 20 years ago this September that the North Central Chapter of the ESD Association was born.

2007 Chapter Meeting Schedule

by Tim Jarrett

March 5th

- The Chapter's annual Membership Dinner Meeting was held at the Holiday Inn Hotel in Bloomington, MN
- Technical presentation: "Controlling ESD in Automated Equipment" was presented by Donn Bellmore of Universal Instruments

May 9th & 10th

Program Manager Courses - Holiday Inn Hotel, Bloomington, MN

May 9th - Full Day Class

- "How To's of In-Plant ESD Survey and Evaluation Measurements" presented by Steve Halperin of Stephen Halperin & Associates, Ltd

May 10th - 1/2 Day Class

- "Clean Room Considerations for the Program Manager" presented by Chris Long of IBM

May 10th - 1/2 Day Class

- "Air Ionization: Issues and Answers" presented by Arnie Steinman of MKS, Ion System

June 11th

- Meeting Site: Restronics, Edina, MN
- Technical presentation: "Why Bad Things Happen to Good Chips" was presented by Vladimir Kras of 3M

September 10th

- Meeting Site: TBD
- Technical presentation – TBD

December 10th

- Meeting Site: TBD
- Technical presentation – 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@guidant.com]

We also 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 Jarrett.

Membership

by Bernie Reiland

We are currently at 55 paid members for the year. If you know anyone interested, get them an application. There are six people that were members last year but we haven't heard from them this year. Plus, there are people that have shown an interest but haven't taken the next step in joining. Not too late to join.

Secretary's Report

by Kevin Duncan

The North Central Chapter of the ESD Association held its June Chapter Meeting on June 11th, at Restronics Northland in Edina, MN.

Sign-in was held from 4:00 to 4:30 pm.

At 4:30 pm, the meeting was called to order. We had 24 members present.

After a brief introduction and a welcome to visitors, Chapter President, Tom Lee, called the business part of the meeting to order and asked for the following Officer Reports:

Secretary's Report: Kevin Duncan, Chapter Secretary, reported the meeting minutes from the Annual ESD Chapter Dinner Meeting held on March 5th, at the Holiday Inn in Bloomington, MN

Membership Report: Tom Lee reported for Bernie Reiland, Membership Chairman that as of today the Chapter had 54 registered members.

Treasure's Report: Tom Lee, reported for Jack Chandler, Chapter Treasurer that the Chapter is "sitting pretty good" and able to cover expenses as they occur.

National Delegate's Report: Dale Parkin, National Delegate, reported on the upcoming ESDA meeting series to be held at the Radisson Hotel and Suites Austin – Town Lake in Austin, Texas June 22-24, 2007. Dale also reported that the 29th EOS/ESD Symposium will be held September 16-21, 2007 at the Disneyland Hotel, Anaheim, California. There will be several new tutorials this year.

Tim Jarrett, Program Chairperson, welcomed and thanked our guest speaker Vladimir Kraz of Credence Technologies/3M. Tim also recognized and thanked Restronics Northland for hosting our June meeting series. The chapter is looking at future guest speakers, specifically in the area of ESD Case Studies and for Device presentations. As always the North Central Chapter is always looking for someone to host our Chapter meetings. If interested please contact Tim Jarrett or a member of the Board of Directors.

Tim also reported that the North Central ESD Tutorials held May 9th-10th at the Holiday Inn, Bloomington, MN went pretty well. There were 31 students in attendance The courses offered were: How To's of In-Plant ESD Survey and Evaluation Measurements, Clean Room Considerations for the Program Manager and Air Ionization: Issues and Answers. Tim also reported the Chapter had recently purchased a new projector.

Tom Lee, Chapter President, then requested any other new business.

At 4:45 a light dinner was served.

At 5:15 pm, Craig Zander of Restronics Northland welcomed the North Central ESD Chapter and provided information on ESD and Restronics Northland as well as his involvement in the ESDA. Craig also introduced our guest speaker, Vladimir Kraz of 3M formerly Credence Technologies, Vladimir presented, "Why Bad Things Happen to Good Chips" (Real-Life ESD Exposure to Devices in Manufacturing).

Vladimir gave a brief introduction and background information on Credence Technologies, recently acquired by 3M, as well as his educational background and professional organization involvements.

Vladimir's presentation provided insight and considerations on "What is an ESD Safe Environment?" We explored several examples of the device manufacturing process and Vladimir indicated each area that could provide a potential ESD threat. Examples given were, Water Saw, Die Attach, Wire Bond, Encapsulation, Singulation, Flip Chip, Ball Grid Array (BGA) Ball Attach, Integrated Circuit (IC) Marking, IC Handler and pick and place equipment.

Vladimir provided information on ANSI/ESD S20.20 and cautioned that "ESD cannot be cured, it can only be treated".

At 6:30 pm, motion was made to close the meeting.

Web Site / Newsletter Editor

by Tom Lee

You all may have seen the "Photo Gallery" which is on our Chapter's web site. It has photos of past Chapter meetings and a few tutorial events. Whoever remembers to bring a camera to these meetings and events has the "privilege" of taking the photos and presenting them to the Web Site/Newsletter Editor for publication and posterity.

Being the faithful Chapter members that you are, you probably are also an ESD Association member and receive notices when a new issue of the "Threshold" is released.

Well, the ESD Association contacted our Chapter shortly after our May tutorials and asked if we had any photos of the tutorials which we might like to share with them for the "Threshold".

If you've looked closely at the July/August 2007 issue of the "Threshold" you may have seen on page 6 the following photo of Arnie Steinman, taken right here in Bloomington, offering his wit and wisdom during his tutorial on ionization.



I just couldn't leave out what I think is a classic Steve Halperin photo showing him expound upon a critical ESD Auditing element. It too didn't get in the "Threshold" but I like it.



Here's a photo of Chris Long presenting his "Clean Room" concepts. It didn't make the "Threshold" but it could have.



The rest of the photos you can find at:

www.esdnorthcentral.org