

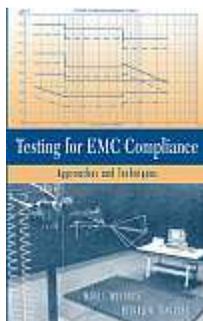
Meeting Report of the IEEE EMCS Chapter, Pittsburgh Section, Region 2

The fourth meeting of the newly formed Pittsburgh EMC Society Chapter was conducted on October 12, 2006 at the Westinghouse Energy Center in Monroeville PA. Michael Oliver, IEEE EMCS Chapter Chair hosted the meeting with 12 IEEE members. The meeting started with a social prior to a technical presentation. We had the privilege of having Ed Nakauchi as our technical speaker; Ed is an EMC consultant with Emulex Corporation.

Discussions encompassed the up-coming technical presentation agenda and an introduction of Mr. Ed Nakauchi. The technical presentation by Ed Nakauchi is titled "Testing for EMC Compliance: Approaches and Techniques". This presentation is based upon Ed's recently published book of the same name and discusses what to do if your product does fail EMC testing. Many books deal with all aspects of EMC product design, but few describe a process in dealing with "troubleshooting". At the beginning, a fundamental review and what causes EMI followed by a logical step-by-step approach in solving the EMI problems, questions to ask, what things can be done, and finally what tools are available to make it easier.

About the author: Mr. Ed Nakauchi currently works at Emulex Corporation as an EMC consultant. Ed has a BSEE and MSEE from Northrop University and Columbia Pacific University. He has over thirty years experience beginning with analog, power, and digital design. For the last twenty years, he has spent a majority of his time in the EMI/EMC/EMP and ESD areas for both military/aerospace companies and commercial audio/computer/medical companies. He has written numerous technical papers and magazine articles as well as presented seminars on EMI/EMC/EMP/ESD topics for many companies. He also teaches EMI and electrical engineering courses through the University of California Irvine Extension program. Mr. Nakauchi was the primary author of a shielding design guideline for the Army and was an EMI consultant to the Air Force's Space and Missile Command on their COTS program. He has also worked on many RF projects including the CASSPER system that is an innovative correlation analyzer. Some of the past projects that he has worked on include the Space Shuttle, Global Positioning Satellite, Splash Mountain/Rocket Rods for Disneyland, submarines, and the B-2 Bomber. Most recently, he worked for Instrument Specialties/Laird Technologies as a principal scientist. He is a NARTE Certified EMC/ESD Engineer with senior membership in the IEEE and is currently a consultant to G&M Compliance, a regulatory compliance company.

Ed's Book, shown below, is titled: Testing for EMC Compliance: Approaches and Techniques





**2006 IEEE EMCS Chapter, Pittsburgh Section, 4th Meeting
October 12, 2006**



Good Food



**A Well Deserved Plaque Presented
to Ed Nakauchi**

**ON BEHALF OF ALL OF US IN PITTSBURGH PA,
“THANK YOU ED NAKAUCHI FOR YOUR CONTRIBUTION TO OUR
EMCS PITTSBURGH CHAPTER”**

Pittsburgh EMCS Future Presentation 2007 schedule:

March 2007 (Proposed) –

- **One day EMC seminar conducted by Elya Joffe and Mike Oliver**