



Southern Ohio/Kentucky Fall Meeting

Matthew Denslow



Southern Ohio/Kentucky Meeting.

The NCSLI Southern Ohio/Kentucky Section held a fall meeting on October 30, 2013. The Bionetics Corporation, Newark Metrology Operations, sponsored breakfast and the meeting at the historic Davis-Shai house in Heath, Ohio. Several door-prizes were provided by meeting attendee, Ms. Jill Hammond, Technical Maintenance Inc., and presenter, Mr. Jon Busald, Fluke Calibration and NCSL International.

Following breakfast, Mr. Matthew Denslow, Bionetics Training Manager and Section Coordinator, welcomed all attendees and went over the agenda for the day.

Mr. Lloyd Baker, NCSLI Mid-Western Region Coordinator, kicked off the day's program with a short talk about the recent NCSLI Board

of Directors' meeting. Lloyd encouraged the meeting participants to attend the upcoming Workshop & Symposium in Orlando, Florida from July 28-31, 2014 and the upcoming Technical Exchange in Raleigh, North Carolina from February 5-7, 2014. Lloyd discussed the spring regional meeting in Ft. Wayne, Indiana and the importance of section meetings in general to the NCSLI program.

Mr. Jeremy Sims, Transcat Inc., presented the combined works from three NCSLI conference papers submitted by Transcat personnel. The subjects included "PAR vs. PUR, Suitability of Instruments, and Producing Valid Results." Mr. Sim's presentation provided information on assuring quality for customer's processes and products and explained the importance of using the appropriately calibrated equipment.

Mr. Judah Green, American Association for Laboratory Accreditation (A2LA) discussed the "Ten Most Common Deficiencies Noted during ISO 17025 Assessments." Always willing to corner an assessor, the attendees asked numerous questions and had good discussion about deficiencies and the steps taken to ensure consistency in all assessments.

Ms. Karen Semer, NCSLI Conference Committee VP, took a few moments to discuss the importance of these NCSLI section meetings to the metrology community, and encouraged everyone to try to attend the annual conference in Orlando, and the upcoming Technical Exchange in Raleigh, North Carolina. Karen announced that she would be stepping down as Conference VP at the end of year as she was also retiring from her government job.



Eric Sellar, The Modal Shop.

Mr. Eric Seller, The Modal Shop, provided insight into the difficulties of calibrating accelerometers at very low frequencies. The presentation titled, "Low Frequency Accelerometer Challenges and Improvement" demonstrated how improvements in equipment have reduced calibration times and measurement uncertainties.

Next Mr. Andy Brush, TEGAM Inc., explained the operation of a new coaxial flow calorimeter for RF power measurements. Mr. Brush identified the sources of measurement error in an instrument of this type. He described the conversion of microwave energy and the measurement of temperature within the flowing water system. The equipment's measurement processes mitigate or compensate for each error in the determination of the final applied power.

Concluding our technical presentations, Mr. John Busald, Fluke Calibration, presented one of the numerous Fluke Webinars live

for our attendees. "The Techniques for Oscilloscope Calibration" demonstrated the typical parameters of an oscilloscope that require calibration. Additionally Mr. Busald offered many tips for improving calibration accuracy and reducing calibration time through updated equipment and process automation.

Ending the day, Mr. Matthew Denslow drew names for door prizes and collected meeting feedback forms. A total of 27 personnel attended the morning and afternoon events. We were glad to welcome some new faces as well as some returning members to the meeting. Planning is underway for our next meeting, April-May 2014. We hope to have an enjoyable and worthwhile meeting, so please email any suggested topics to Matthew Denslow.

matthew.denslow.1.ctr@us.af.mil