



Southern Ohio/Kentucky Section

Matthew Denslow

The Southern Ohio/Kentucky Section held its spring meeting on April 24, 2014. The Bionetics Corporation, Newark Metrology Operations, sponsored the meeting at the Newark Metropolitan Hotel in Newark, Ohio. Several door-prizes were provided by meeting attendee, Ms. Jill Hammond, Technical Maintenance Inc., presenter, Mr. Ed Lane, Morehouse Instruments Inc. and the NCSLI Business Office.

Following breakfast, Mr. Matthew Denslow, Bionetics Training Manager and Section Coordinator, welcomed all attendees and reviewed the day's agenda.

Mr. Lloyd Baker, NCSLI Mid-Western Regional 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 our annual conference in Orlando, Florida this year from July 28-31, 2014.

Mr. Peter Unger, President and CEO, American Association for Laboratory Accreditation (A2LA); Chair, International Laboratory Accreditation Cooperation (ILAC) discussed the "The Future of Accreditation and the ISO Standards" Mr. Unger provided an explanation and purpose of the ILAC organization. The group discussed the impact of ILAC P10 and P14 documents. As a final point Mr. Unger identified the ISO Standards currently under or preparing for revision.

Mr. Jeff Gust, Corporate Metrologist with Fluke Calibration provided two presentations. In the first presentation Mr. Gust highlighted the results from NCSLI's member survey on the need to change *ISO/IEC 17025*. Mr. Gust points out that 100 % of each section received at least one vote to clarify or overhaul the section and that improvements could be made to the standard. During the second presentation Mr. Gust explained the redefinition of the Kilogram will impact our measurements. The proposed revision of the Kilogram continues to bring about good discussion. A key point made by Mr. Gust was NCSLI's role in explaining any changes to our members.

Mr. Dilip Shah, President, E=MC3 Solutions began the technical portion of the program with an excerpt from the tutorial

"A Practice Application on Type A Uncertainty Data Analysis. "This session provided examples of the proper use of repeatability/reproducibility study data. Additionally, Mr. Shah explained how the "degrees of freedom" are combined and impact the final uncertainty calculation.

Concluding our technical presentations, Mr. Ed Lane, Morehouse Instrument Company, provided an overview of ASTM E74 standard with an example of a measurement uncertainty analysis associated the calibration of force instruments. Mr. Lane outlined the calibration processes required by the ASTM E74 standard. Mr. Lane further developed the uncertainty example given in ASTM E74 appendix A providing details for each component.

The meeting concluded with remaining attendees exchanging a completed meeting feedback form for a door prize. There were 21 people in attendance. Planning is underway for our next meeting, October 2014.

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