

Southern Ohio/Kentucky



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

The Southern Ohio/Kentucky section held a meeting on October 26, 2017 at the Central Technical Education Center (C-TEC) campus Adult Education Center in Newark Ohio. The Bionetics

Corporation sponsored the event and lunch was enjoyed by the small group of attendees.

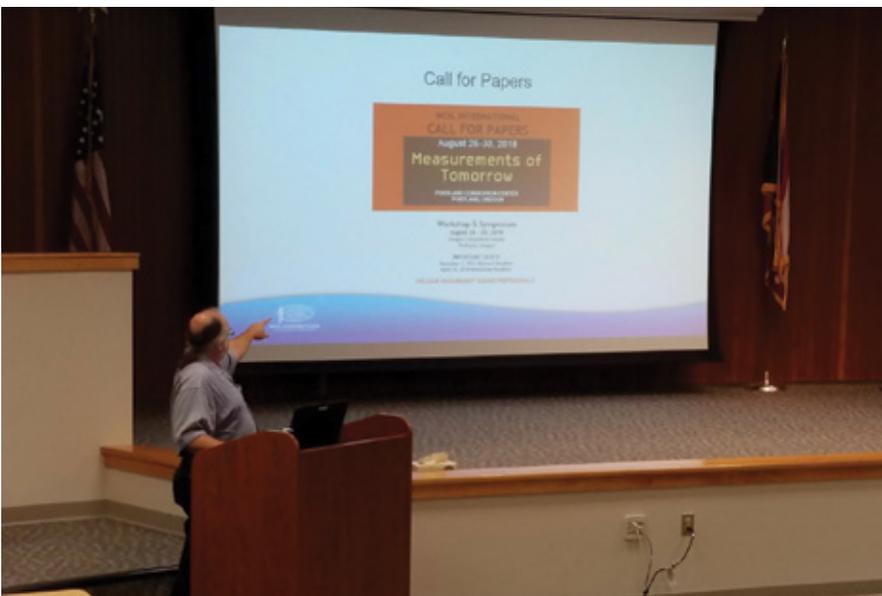
Mr. Greg Tolentino, Tegam, began the day's program with an in-depth explanation of microwave calorimetry. Greg described the major components of a microwave calorimetry system. Next, Greg discussed the calibration process for the calorimeter using a high accuracy AC Power Standard to define the input power quantity. Concluding the presentation, Greg provided a list of uncertainty components and an example of a completed uncertainty analysis for the microwave calorimetry.

Mr. Lloyd Baker, General Motors, kept the program moving with a presentation on the upcoming NCSL International happenings. We reviewed the upcoming Technical Exchange, the 2018 Conference call for papers, the recent ISO/IEC 17025 approved draft, and made a call for volunteers to anyone interested in joining the recently restructured NCSL 141 Measurement Information Infrastructure Committee.

Mr. Jack Somppi continued the program with a thorough explanation of potential electrical measurement errors. Jack revealed how guarding voltage and resistance measurement connections can reduce errors. Jack provided examples of how dissimilar connector materials can affect DMM indications do to thermal emfs.

Mr. Ryan Fischer concluded the day's event with an extensive presentation of the impact of the upcoming changes to ISO/IEC 17025. Ryan's presentation included a short history of the ISO/IEC 17025 standard and the ILAC related policy documents; Working Group (WG) 44 activities; a brief overview of ISO/IEC FDIS 17025:2017 and assessment changes from ISO/IEC 17025:2005 to the FDIS (NCSLI LM-6). Ryan left the group with the following suggestions:

1. If currently accredited based on ISO/IEC 17025:2005,
 - **WAIT** for additional information on the transition process for your specific accreditation program from your Accrediting Body
2. Obtain a licensed copy of the ISO/IEC 17025:2017
3. Use a crosswalk document to:
 - Identify new clauses, revised clauses, deleted clauses
4. Review against your own management system and accreditation program requirements to:
 - Identify what policies, practices, procedures need to be revised
 - Identify what new policies, practices, procedures need to be implemented



Mr. Lloyd Baker, General Motors, Mid-Western Region Coordinator.



Mr. Greg Tolentino, TEGAM.



Mr. Jack Somppi, Test and Measurement Consulting.



Mr. Ryan Fischer, ANAB.