



Northern Ohio Group Photo.

●●● REGIONAL NEWS

Northern Ohio/ Western Pennsylvania



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The NCSL International Northern Ohio/Western Pennsylvania section held its spring meeting on May 20, 2016 at FirstEnergy, BETA Lab facility. BETA Lab did a tremendous job in acting as host again. A networking breakfast sponsored by Trescal provided a good segue to an introduction of attendees, presenters and NCSLI volunteers.

Our first presenter, Johnny Perkins of Trescal, discussed some effective communication techniques for evaluating test and measurement service suppliers. A departure from the science and mathematics centric presentations regional meetings typically produce, the presentation focused on the end user's needs and addressing the technical requirements with a possible calibration or testing vendor.

Lloyd Baker of General Motors then provided an update on the happenings within NCSLI as an organization including upcoming events in the area, an overview of membership benefits, Workshop & Symposium details, and an explanation of the inspiring work the many volunteers throughout NCSLI do in order to keep the organization growing.

Paul Mathews of Mathews, Malner and Bailey, Inc. then presented a case study in finding the tip temperature of an electrode within a tungsten-halogen bulb when direct



Paul Matthews, Mathews, Malner and Bailey

optical pyrometry is not possible. Complete with demonstration and supporting calculations, Paul was able to prove that by using a crow-bar circuit to interrupt the arc of the light, he could reliably ascertain the tip temperature as a function of time. Paul did an excellent job of engaging the audience in his work. It was a fantastic demonstration of metrology solving real problems.

A break for lunch was followed by a tour of FirstEnergy's BETA Laboratory by Mike Yeager. A behind the scenes look



Paul Matthews, Mathews, Malner and Bailey

into an operation with tremendous testing and calibration capabilities focused on serving the energy industry provided a good example of the testing rigors required to remain in compliance of the federal, state and local regulations governing energy providers.

Paul then addressed the meeting with a case study in using optical pyrometry for measurements and how to use statistical modeling to isolate and remove interference from the measurement results. Attendees were able to get hands-on with some of the measurement instrumentation used in the lighting industry and a palpable sense of fascination was reflected in the questions posed



Mike Yeager, FirstEnergy BETA Lab tour.

to Paul about the physical properties of light and the human eye's perception of light.

To conclude the meeting, NCSLI section coordinator, James Littlefield of Smither's Group Inc., polled the attendees for improvements and what they would like to see at future section meetings as NCSLI members.

Once again, it was another successful section meeting for the Northern Ohio/Western Pennsylvania Region. Thank you to all the attendees, presenters, NCSL International and our host, FirstEnergy for your support. Planning is underway for our next meeting in the fall of 2016. We hope to see you there!