Huntsville Section Meeting at the Lake Guntersville State Park Lodge and Convention Center.

Beverly Garcia
beverlygarcia@jmtest.com

The Huntsville fall section meeting was held on Thursday November 15, 2018. The venue of Lake Guntersville State Park Lodge and Convention center was chosen much to the delight of the section members and meeting attendees.

Special thanks to our meeting sponsors, David Hall of Southern Marketing Associates, Clint Plant of Pinnacle Test Solutions, Nancy Richardson of Keysight Technologies, Kevin Kaufman of Tegam and myself Bev Garcia of JM Test Systems, Inc.

Our meeting began with a presentation delivered via teleconference by Tim VonderHaar of Precision Environments, Inc. titled "Will Your Business and Customer Relationships Recover from an Unplanned Event?." This session addressed the need for proper planning and presented an overview of technical document LM-15, "Lab Recovery Planning; Disasters and Planned Events." Examples of recent disasters such as the west coast wildfires as well as the recent hurricanes that have plagued the gulf south and east coast regions were discussed and the need for planning emphasized.

Adam Croan, Metrologist, MSFC Metrology & Calibration Laboratory, ERC, Inc., delivered a presentation entitled "What you May Not Know About Your HP/Agilent/Keysight 3458A." Almost every laboratory has an HP/Agilent/Keysight 3458A 8.5 digit multimeter, but not everyone employs the instrument to reach its full measurement capability because to completely realize the published specifications of this multimeter one must be mindful of the details and specifics relating to its use. In Adam's lecture he discussed environmental concerns, TCAL and ACAL, application of temperature coefficients and lessons learned from using, supporting and calibrating these meters.

Don Gregory, PhD, Prof. of Physics, University of Alabama Huntsville gave an interesting lecture entitled "Gravitational Wave Detection." Dr. Gregory described the February 11, 2016 detection of an unmistakable waveform by both laser interferometer gravitational wave (LIGO)
observatories, confirming the last remaining directly undetected prediction of general relativity proving its predictions of space-time distortion.

George Schuetz, Director of Precision Gages, Mahr Inc., gave a practical presentation titled “Take a Swipe at Precision Length Measurement” covering the individual parts of the measuring process, the importance of each and how each may contribute to the end result, along with an easy way of remembering the measurement process parts for future use, finally taking a look at each one of the parts becomes even more critical when making dimensional measurements at the micron level.

During this meeting we also engaged in an interactive session where attendees had open forum to discuss projects, accomplishments, challenges, recent and upcoming events as well as feedback and lessons learned from the 2018 NCSLI Conference in Portland, Oregon experience. We also added NIST videos into our program agenda which was overwhelmingly enjoyed by all and will hopefully become part of our norm. The spring meeting date has not yet been set but we will keep updated on the date and location.