

AbstractID: 2657 Title: Display Evaluation Demonstration Workshop

The AAPM TG18 is a new initiative aimed to provide standard guidelines and procedures for acceptance testing and quality control of electronic display devices for medical applications. The recommendations, based on the newly-designed TG18 test patterns, include detailed visual and quantitative methods and specific acceptance criteria for objective assessment of display quality using the TG18 standard test patterns and specified equipment. The display characteristics considered include luminance, luminance spatial and angular response, resolution, noise, veiling glare, reflection, color uniformity, geometrical distortions, and display artifacts. The goal of this demonstration workshop is to present a tutorial and demonstration on practical aspects of display set up and display performance evaluation based on the TG18 methodology. Representatives from the TG18 committee and from industry will be present to demonstrate and discuss display evaluation issues.

Participants:

Jeffrey Charette, Barcoviev, LLC

Ehsan Samei, Duke University Medical Center

Noriyuki Hashimoto, Eizo Nanao Corporation

Dave Sorensen, Image Systems Corporation

Kenneth Compton, National Display Systems

Adi Abileah, Planar Systems

Hans Roehrig, University of Arizona