

Documentary Standard Development in the Illuminating Engineering Society Testing Procedures Committee

The Illuminating Engineering Society (IES) and the International Ultraviolet Association (IUVA) recently sign a memorandum of understanding (MOU) in an effort to assemble experts in the measurement of ultraviolet C-band (UV-C) emissions to develop American National Standards (ANSI Standards) for the measurement and characterization of UV-C device performance. The first standard, Approved Method for Electrical and Ultraviolet Measurement of Low-Pressure Mercury Sources, will detail laboratory procedures for the measurement and characterization of such sources. The second, Approved Method for Electrical and Ultraviolet Measurement of Solid-State Sources, will do the same for UV-LED components. Research and progress will be presented, along with discussion on future measurement standards, including excimer sources and calibration of UV-C detectors.



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Cameron Miller joined the National Institute of Standards and Technology in 1996 and in 2013 was appointed the group leader for the Optical Radiation Group. Currently, Cameron is acting as the Deputy Division Chief for the Sensor Science Division of NIST. His research areas include all aspects of Photometry & Radiometry (including UV-C measurements), Measurement Uncertainty, and Vision Science applied to lighting. Cameron is active in standards organization and professional societies, such as IES – Testing Procedure Committee (recent Chairman for 7 years), IES – Science Advisory Panel Member, IUVA, CIE, ASTM, and ISCC. He is also an NVLAP assessor for the Energy Efficient Lighting Program and the Calibration Program. Cameron Miller obtained his PhD in Physical Chemistry from Cornell University (1994).