

With over 30 years' experience in quality assurance and dimensional metrology, Larry Maggiano brings considerable technological experience and expertise to the Digital Metrology Standards Consortium.

Notable is his involvement in standards development as Senior Systems Analyst for Mitutoyo America Corporation, he previously held positions at Mitutoyo in Service, Applications, and Software Development. Prior to Mitutoyo, Larry worked in product assurance in both the energy and medical device sectors. His early academic focus was Biological and Computer Sciences (University of California) but he later switched to Manufacturing Technology (College of DuPage).

Larry's is a member of ASME Y14.41, 14.46, 14.47, and the MBE SC Support Group. In addition, he represents Mitutoyo at PDES, Inc. (an ISO/TC 184/SC4 A-Liaison like the DMSC) and is on the PDES Board of Directors and Technical Advisory Committee. On behalf of Mitutoyo and in furtherance of standards based interoperability, he participated in the development and testing of DMIS, AP242, QIF, MTConnect and is knowledgeable in the CAX-IF testing protocol.

Projects include PDES' Testing the Digital Thread, NIST's Design to Manufacturing and Inspection, NIST's Validation for Downstream Computer-Aided Manufacturing and Coordinate Metrology Processes, and DMDII's Operate, Orchestrate and Originate (O3). More recently, Larry is providing support for the NIST/CCAM Intelligent Flexible Manufacturing Testbed project. He actively uses major CAD systems (e.g. NX, Creo, CATIA, SolidWorks, Inventor) as well utilities like the NIST STEP File Analyzer and NIST QIF PMI Report Software.

Influential mentors include Thomas Kramer (NIST) and he is particularly grateful to William Sobel, who taught him the importance of MTConnect's Process data as a complement to QIF's Product data.