

James “Bubba” Davis is a Senior Software Engineer at CRL Technologies supporting the U.S. Army Combat Capabilities Development Command, Aviation & Missile Center (CCDC AvMC). He has over 20 years of experience with model based systems engineering and mission critical software architecture, design, implementation and integration. Dr. Davis has professional experience in academia, industry and government contract support. He has focused on software integrated systems throughout his career. Of particular interest to Dr. Davis are domain specific modeling tools and techniques and the application of automated model/system integration technologies. Key concepts supporting domain specific modeling include data modeling and semantic interoperability.

Dr. Davis has participated in the Future Airborne Capability Environment (FACE) Consortium since February 2012. From March 2011, he has been involved with FACE™ related efforts with NAVAIR, Army PEO Aviation and Army CCDC AvMC. He led the Vanderbilt team responsible for developing and maintaining the FACE Conformance Test Suite supporting the FACE Technical Standard through Edition 2.1.1. While doing so, he was deeply involved with creating the FACE conformance program. He also co-lead the FACE Technical Working Group Verification Matrix subcommittee until fall of 2016. Dr. Davis has been involved with the FACE TWG Data Model Subcommittee from February 2012. He became co-lead of the subcommittee in April 2014 and continues to be actively involved in all FACE Data Architecture activities. Dr. Davis is currently serving as Chair of the Domain Interoperability Working Group (DIOG). He is a principal author of the FACE Technical Standard, Editions 2.1 and 3.0. He is also a principal author of the Universal Domain Description Language Standard, Edition 1.0.

Dr. Davis has Doctor of Philosophy and Master of Science degrees in Electrical Engineering from Vanderbilt University. His Bachelor of Engineering degree in Electrical Engineering and Computer Science is also from Vanderbilt University.

