

Mike Lightner

Mr. Lightner is the Director of the Simulation Technologies and Advanced Research Group at The AEGIS Technologies Group, Inc. In this role, Mr. Lightner establishes, communicates and fosters the vision, goals and agenda for researching, developing and advancing new and advanced modeling and simulation (M&S) technologies, techniques and standards as well as for providing comprehensive M&S training and education offerings. Mr. Lightner currently manages the HLA CADRE outreach efforts that AEGIS provides for the Defense Modeling and Simulation Office (DMSO) and provides HLA tutorials at selected conferences and workshops for DMSO. In addition he is a Master HLA Instructor for AEGIS Technologies.

Mr. Lightner has been involved with the HLA since its inception. He was in charge of one of the original Air Force programs that was represented on the HLA Architecture Management Group (AMG) and as such was deeply involved in the HLA definition development and early experimentation. Upon retiring from the Air Force Mr. Lightner was the lead integrator for the HLA C2 Experiment, a follow-on effort to the Joint Training Federation prototype. In addition Mr. Lightner was the Project Manager of DMSO's High Level Architecture (HLA) Integrated Training Program as well as a DMSO certified HLA Instructor for over 6 years. More recently he has provided direct support and/or consultation to numerous programs adopting the HLA.

Mr. Lightner was the drafting editor of the IEEE Std 1516-2000 IEEE Standard for Modeling and Simulation High Level Architecture (HLA) – Framework and Rules and currently serves as the chair of the associate IEEE interpretations committee. He also advises the DoD HLA interpretations committee. He is currently the drafting editor for the 5 year review and update of the same standard, IEEE Std 1516-200X. He is also assisting DMSO in their IEEE 1516 HLA Transition Strategy development and execution.

Mr. Lightner is on the Board of Directors of the Simulation Interoperability Standards Organization (SISO), Inc. He is also Co-Editor of the SISO On-line Simulation Technology Magazine. He is also an active member of the Society for Computer Simulation as well as the IEEE Computer Society and the NTSA. Mr. Lightner is a Charter member of the Modeling and Simulation Professional Certification Commission (M&SPCC) and an M&SPCC certified M&S Professional.

Mr. Lightner has a B.S. degree in Computer Science from the College of Engineering, Arizona State University and a M.S. degree in Computer Science from the Air Force Institute of Technology.