

Biography of Mr. Patrick Collier

Patrick Collier is Senior Open Systems Architect and systems engineer at Aspen Consulting Group. Patrick Collier focuses on the development and use of open architectures for both space and non-space applications. Previously he was a lead hardware engineer at PMA-209 NAVAIR, where he focused on the development of the Hardware Open Systems Technology (HOST) set of standards. His first assignment was as a senior electrical research engineer with the Air Force Research Laboratory Space Vehicles Directorate. While at AFRL, he founded the Next Generation Space Interconnect Standard (NGSIS) with Raphael Some (NASA JPL). Patrick also founded and is currently chair for the VITA 78 (SpaceVPX) and VITA 78.1 (SpaceVPX Lite). Patrick also started the SpaceVNX effort to address the need for Open Architectures in Small Satellites. While at AFRL, he also worked on Space Plug-n-Play Architecture (SPA) with Dr. Jim Lyke. He is also a cofounder of the Sensor Open System Architecture (SOSA) and chair of its Hardware Sub-Committee and Conformance Standing Committee. Additionally, he was a lead for the Space Universal Modular Architecture (SUMO), where he worked to incorporate existing space-related standards and architectures into SUMO.