

Bradley C. Halsey
Managing Engineer

Professional Profile

Mr. Bradley C. Halsey is a Managing Engineer in Exponent's Technology Development practice. With a background in chemistry, optics, and materials science, as well as military service (LT, USN), Mr. Halsey has expertise in polymers, coatings/paints, novel coating application processes, linear and non-linear optical materials, material/chemistry characterization (FTIR, UV/Vis, NMR, ICP/MS, FESEM, GC/TOF/MS, IR radiometry), biochemistry, infrared detectors, MEMs devices, nano and meso physiochemical systems, meta-materials, polyceramics, electrophoretic deposition, and military demonstrations, vehicles, operations, and technologies (especially signature control and TTL). He has managed and performed on projects with DARPA, ARL, NRL, MANTECH, SOCOM, and others involving classified technologies and field tests. Mr. Halsey also has specific expertise in Naval operations and tactics.

Mr. Halsey spent eight months overseas in Iraq (2008) working as the Lead Engineer in the Army's Rapid Equipping Force Laboratory. In addition to running and overseeing the Lab, Mr. Halsey developed and/or assisted in developing dozens of technologies for the military engaged in combat operations. These technologies included covert/overt surveillance, thermal imaging and analysis, tagging/tracking/locating, counter IED devices and materials, psychological operations and military deception, power solutions, vehicle enhancements, and others.

Prior to joining Exponent, Mr. Halsey was a Senior Research Engineer at SRI International where he managed and contributed to several classified, special access programs involving diverse teams of scientists, engineers, and disciplines. Before that, Mr. Halsey served as the Combat Systems Officer, Combat Information Center Officer, Intelligence Officer, and Electronic Warfare Officer onboard USS BRIDGE during OPERATION SOUTHERN WATCH.

Academic Credentials and Professional Honors

B.S., Chemistry, Vanderbilt University, 1997

USN Education: Surface Warfare Officer School; Shipboard Intelligence School; Electronic Warfare School; Anti-Submarine Warfare School; Navy Diving and Salvage Training School; Navy Nuclear Power School

Licenses and Certifications

Certified Open-Water SCUBA Diver, #9810295617

Patents

3 SECRET/SAR Patents Pending

Science Advisory Boards/Panels

Defense Science Research Council, 2007/2010