

Nita Lewis Shattuck

Professor of Operations Research

Ph.D., University of Texas, 1982

Nita Shattuck is a Professor at the Naval Postgraduate School (NPS) in Monterey, California. She holds faculty appointments in the Operations Research and Systems Engineering Departments and the MOVES Institute. Dr. Shattuck teaches courses in human factors engineering and human systems integration, directs thesis research, and pursues her research interests in human fatigue in operational settings, individual and team performance, decision-making, and military command and control. She founded the Human Systems Integration Program at NPS in 2003, serving as the Program Director until 2008. She has developed and taught multiple distance and resident courses and has helped design a Distance Learning HSI Masters degree.

In her work with the military, Dr. Shattuck has studied the effects of fatigue, sleep deprivation, thermal stress, and acceleration (Gz-induced LOC and motion) in various operational and laboratory environments. She has studied work and rest patterns of US Navy Sailors on over a dozen ships; conducted a 4-year longitudinal study of sleep and performance of Cadets at the US Military Academy, West Point, NY; assessed sleep and academic performance of US Navy Recruits at the Recruit Training Command, Great Lakes, IL; and studied the effects of delayed bedtime and wakeup times on performance of US Army Basic Combat Trainees at FT Leonard Wood, MO. In studies of US Marines at Camp Pendleton, CA, Dr. Shattuck examined the effects of waterborne motion exposure to cognitive and physical performance in Marines and was co-investigator of a study of egress times from amphibious vehicles. She has served as Principal Investigator on numerous other operational field studies including sleep and psychomotor performance of crewmembers on the USS Independence (LCS 2) Rough Water Trials. She served as advisor to the President's Emergency Operations Center of the White House, documenting improvements in sleep and morale following adoption of a novel watchbill. Most recently, Dr. Shattuck led a team to study work and rest patterns of members of the Reactor Department of the USS NIMITZ (CVN 68), focusing on their performance using different watchbills. Current research projects include the assessment of work and rest patterns of Marine Corps Embassy Security Guards, a multi-ship trial to compare resilience and Sailor performance while working different watchbills, and an assessment of the magnitude of unaccounted US Navy shipboard requirements.

Dr. Shattuck has published widely and is the recipient of the Department of the Navy Distinguished Civilian Service Award in 2018, the Surface Navy Association Literary Award in 2013, the 2007 'Jimmie' Hamilton Award from the American Society of Naval Engineers (ASNE) for Best Paper, the Roland Calori Award for Best Paper for 2006-2007 in Organizational Studies journal and the 2006 Gary F. Wheatley Award for Best Paper from the International Command and Control Research and Technology. She received her Ph.D. in Behavioral Sciences from the University of Texas School of Public Health.