John McEachen **mceachen@nps.edu**

Professor, Naval Postgraduate School

Since 1996 John McEachen has been a Professor of Electrical and Computer Engineering at the U.S. Naval Postgraduate School, one of two ABET accredited graduate engineering schools in the country. He is an internationally recognized expert in computer networks and network security with over 100 peer-reviewed publications and appearances in the Miami Herald, Los Angeles Times, Baltimore Sun, Government Computer News, VNUNet, Yahoo, and ACM press.

John oversees an established research program (14+ years ongoing) that investigates the security of communications networks. His research includes architectural design and assessment of computer networks, evaluation of encryption and security techniques, video and image transfer, design and assessment of wireless ad-hoc networks. Additional on-going research projects are with the U.S. Special Operations Command (SOCOM) – sensor networks for special operations forces – the National Security Agency (NSA) – novel wireless network air interfaces – and the National Reconnaissance Office (NRO) – novel geolocation of wireless users.

He has published over 100 peer-reviewed journal and conference papers and has been the thesis advisor for 130 NPS students, including dissertation supervisor for two PhD students. His graduate-level courses in computer communications and networking were chosen to be concurrently taught as distance learning classes for NSA and SPAWAR. He develops and instructs online course in Communications technologies and coordinates a program of quarterly non-resident short courses taught to Naval officers from facilities worldwide.

John received the NPS 2005 Carl E. and Jesse W. Menneken award for excellence in research and the 2003 Richard W. Hamming award for excellence in interdisciplinary teaching. His was Navy's representative and voting member on the DoD Tactical SIGINT Technology (TST) technical review panel (TRP) 2001 – 2009.

He earned his Ph.D. in Electrical Engineering from Yale University in December 1995. His dissertation topic was the estimation of non-rigid motion in two- and three-dimensional image sequences. He followed it with an NIH training fellowship. He is a member of the editorial board of the International Journal of Electronic Security and Digital Forensics (Inderscience). He maintains TS/SCI/ECI clearances, including counterintelligence and lifestyle polygraphs. He has over twenty years experience developing and managing information systems, data warehouses, computer networks, and telecommunications systems as a cryptologic officer in the U.S. Navy and U.S. Naval Reserve. He is a retired Commander, U.S. Naval Reserve.