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## Biography, William G. Kemple, 2003

Kemple, William G.

Monterey, California. Naval Postgraduate School

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### **Education**

- Ph.D. Applied Statistics, University of California, Riverside, Riverside, CA, March 1991
- M.S. Statistics, University of California, Riverside, Riverside, CA, March 1988
- M.S. Operations Research (with Distinction), Naval Postgraduate School, Monterey, CA, September 1971
- B.S. Naval Science, Mathematics, U.S. Naval Academy, Annapolis, MD, June 1965

Professor Kemple is a tenured Associate Professor at the Naval Postgraduate School. He is the Academic Associate for the interdisciplinary Joint C4I Systems Curriculum and currently teaches courses in C4I Systems Evaluation and Combat Analysis for Command and Control. He has also taught courses in Data Analysis, Probability and Statistics, and Operations Research.

Prof. Kemple maintains an active program of interdisciplinary research and involves NPS students in that research by incorporating interdisciplinary team-in-the-loop C2 experiments and projects in his courses and by thesis advising. Prof. Kemple also involves students and faculty from several other courses and curricula in these experiments. Over three hundred students from several curricula have interacted and collaborated with NPS and external investigators who are experts in such diverse areas as: combat modeling, command and control, computer science, cybernetic control theory, experimental psychology, human factors, information technology, organizational theory, statistics, systems engineering and wargaming. NPS investigators alone have come from seven different Departments or Interdisciplinary Academic Groups.

Prof. Kemple recently completed a very successful assignment as Principal Investigator for the NPS Support to U.S. Joint Forces Command, Joint Experimentation Directorate Project. He led a very talented interdisciplinary team that, among many other achievements, designed and conducted the Peer-to-Peer, Wireless Limited Objective Experiment at NPS during March 2002. This experiment featured several technology advances developed by faculty and students at NPS and involved fifteen NPS researchers from five departments and over thirty students from six curricula. The project included six class projects, a workshop delivered to J9, development of an Experimentation Course Handbook for use at J9, a student faculty team providing observation and analysis at the Global Wargame, and design and conduct of two LOEs, one at J9 and one at NPS.

Prof. Kemple currently leads an interdisciplinary team of nine researchers conducting a systems engineering, analysis and modeling study in support of the Joint Fires Network Program Office. The JFN project will play a key role in the Meyer Institute campus-wide integrating project this year.

### **Prior Experience**

Prior to joining NPS in 1990, Prof. Kemple served for twenty years in the Marine Corps and then attended graduate school at the University of California, Riverside. His Marine Corps service included billets in command and control, project management, research and development and education. Duties in his primary field (communications) included Communication-Electronics Officer (S6/G6) of: an artillery battalion (during the siege of Khe Sahn), an infantry battalion, two amphibious brigades (one during the evacuation of Saigon), a Marine Corps Air Station and the Marine Corps Air-Ground Combat Center.

Prof. Kemple is a member of the AIAA Information and Command and Control Systems Technical Committee and INFORMS, and is active in the Military Operations Research Society (MORS). He has presented many papers at MORS and Command and Control Research and Technology Symposia, and he has served as working group, composite group and track chairman for many workshops and symposia. Many papers on his command and control research have been published in refereed publications.