

SUSAN G. HUTCHINS PROFESSIONAL EXPERIENCE:

- December 1997 to present **Research Assistant Professor.** Naval Postgraduate School. Conducts human factors research related to command and control. Publications are in the areas of human performance measurement, cognitive decision-making, decision support system design, tactical decision making under stress, human factors analysis of complex systems, team decision-making, human-in-the-loop simulations, organizational design, and cross-cultural decision-making.
- November 1994 to December 1997 **Research Psychologist.** C4I Interdepartmental Academic Group, Naval Postgraduate School. Provide support for planning and conducting experiments, data collection, analysis, documentation and presentation of results for research on human decision making, human-in-the-loop simulations, performance measurement in military settings, decision support and cognitive psychology.
- October 1989 to October 1994 **Scientist.** Command Support Technology Division, Command and Control Department, Naval Command, Control, and Ocean Surveillance Center RDT&E Division (NRaD). Research Associate on Tactical Decision Making Under Stress (TADMUS) Program; set up and managed the Decision- Making Evaluation Facility for Tactical Teams (DEFTT) Laboratory. The DEFTT Laboratory is a multi-threat simulation environment for conducting tactical decision making research for six-member tactical teams. Responsible for coordinating all aspects of experimental team evaluations, including experimental methodology and protocol, scenario calibration, data collection and analysis, documentation of results and provide briefings. Served as contract monitor (COTR) for various contracts.
- April 1988 to September 1989 **Scientist.** Command Support Technology Division, Naval Ocean Systems Center. Principal investigator on project involving the development of quantitative measures of effectiveness and criteria-based performance standards for enlisted ratings and officers in the electronic warfare mission area. Responsible for conducting human factors R&D in support of electronic warfare, including all phases of planning and conducting tactical performance measurement research, initial liaison, and obtaining funding for six-year project. Provided expert advice to other projects, peers, and sponsors on specific aspects of systems and concept development. See Professional Contributions for specific accomplishments during this period.
- August 1982 to April 1988 **Engineering Research Psychologist.** Human Performance Department, Navy Personnel Research and Development Center. Designed and developed research in cognitive processing, including data collection, evaluation, and data base management. Served as liaison with project sponsors to identify information related to projects. Projects involved human decision making, information processing, and performance measurement in military environments, simulation applications to command and control systems, and human factors systems analysis. See Professional Contributions for specific accomplishments during this period.
- April 1978 to August 1982 **Research Psychologist.** Training Technology Department. Navy Personnel Research and Development Center. Research Associate on projects evaluating educational effectiveness of microprocessor-based, multimedia systems. Collaborated in planning, development, and execution of research.
- July 1977 to March 1978 **Educational Researcher.** Courseware, Inc. San Diego, CA. Research during this time investigated adaptive computer-based training. Mastered concepts of basic radar analysis and authored lessons for a computer-based instructional system.