KEYNOTE ADDRESS:
THE ART OF THE POSSIBLE

VADM Jerry O. Tuttle, USN (ret.)

ORACLE Government
196 Van Buren Street
Herndon, VA 22070, U.S.A.

The future is just around the corner. How will it be affected by recent developments in science and technology? The purpose of the address is to comment on what lies ahead. The Keynote discussion focuses on a wide tapestry of topic areas — from the implementation of computer-enhanced components in station wagons to the developing technology in modern man-made orbital satellites. The presentation will encompass the latest scientific innovations in the study of the molecular composition of proteins and viruses, and then zoom out to describe possible methods of investigation of deep-space phenomena.

The discussion begins with a commentary on *likely* future scenarios in science, technology, and society. It then suggests *possible* desirable scenarios for the future. The main thrust of the talk is to provide motivation on how to achieve such desirable scenarios.

One of the most promising techniques available for prediction and planning is that of computer simulation. As the articles in this *Proceedings* illustrate, simulation is a robust modeling and analysis tool that can be used in almost any area of application. A major opportunity and challenge is therefore to determine how we can use the techniques of computer simulation to predict and shape the future. The author makes pertinent suggestions to address these issues.

AUTHOR BIOGRAPHY

JERRY TUTTLE is Vice President of Business Development and Chief Staff Officer at Oracle Government. He is responsible for business development, strategic direction, and creating a positive and productive work environment for Oracle. He is regarded as an information technology strategist.

Jerry joined Oracle in January 1994, upon his retirement as a Vice Admiral after a distinguished 39-year Navy career. In 1989, he became Director, Space and Electronic Warfare, an assignment he held until retirement. Prior to that, he was Director of Command, Control, and Communications Systems of the Joint Staff. During his Navy career, he achieved numerous military decorations, awards, and citations. He authored the Navy's Copernicus C4I architecture and the Sonata Information warfare architecture. He is also the author of numerous articles about C4I and space electronic warfare.

Jerry received a Communications Engineering degree from the Naval Postgraduate School, having attended the undergraduate and graduate schools simultaneously. He graduated with honors from the Naval War College, and concurrently received a Master's degree in International Relations from George Washington University.