Dr. Robert E. Conger

Education
Ph.D., Engineering Management, Pacific Western University, 1995
M.S., Computer Science, University of Santa Clara, 1974
B.S., Electrical Engineering, University of New Mexico, 1966
Current Position
Executive Vice President, Microcosm, Inc.
Experience Summary

At Microcosm, Dr. Conger is responsible for program management for the company's analysis, hardware and software development, and production, including continuation of the company's launch vehicle and engine development, and is the Program Manager for the *Scorpius*® family of expendable launch vehicles. Dr. Conger is heavily involved in the requirement analysis and support efforts in space systems for access to, activities in and performance of systems in space.

Dr. Conger's direction of the *Scorpius*® Program includes all facets of launch vehicle development and production, including the fundamental requirements, engine, tank and subsystem design and implementation, CONOPS and launch. The creation of a new generation of significantly lower cost launch vehicles has an impact in virtually all-new DoD and civil missions, as well as commercial applications and space architectures.

Prior to joining Microcosm, Dr. Conger was the Group Vice President of Comarco, Inc. where he managed divisions and two separate Corporations responsible for decision and system analysis, hardware and software development and national operations to satisfy customer requirements for DoD, NASA, and commercial clients. Dr. Conger also had direct responsibility for a nation wide computer network supporting NAVAIR, and other specialized agency systems. Also oversaw special studies for the Army.

Dr. Conger's experience includes extensive work in the fields of concept development, system design, and development and manufacturing for both hardware and software. As President for Logicon-Intercomp, Inc., he managed the efforts in specialized operating systems, multi-path special processors, and multi-function real time systems. This included special systems for data gathering and process internationally.

With Dicom Industries, Dr. Conger was President and responsible for operations including manufacturing and engineering development of complex electrical/mechanical commercial products.

At Hewlett-Packard, Dr. Conger was the engineering development manager for computer based data acquisition and control systems.

While with the Air Force Special Weapons Laboratory, he worked on large complex systems, satellite experiments, and space programs concerning solar wind and radiation effects. In this capacity, he developed the first time of flight mass spectrometer as well as performed the system integration on the launch vehicle as well as conducted portions of the rocket test flight and launch operations.

He has had experience in inertial navigation and airborne computers as an engineer with Autonetics. Dr. Conger has also developed and managed efforts involved in simulation and test systems in real time environments.

Dr. Conger is an Associate Fellow of the AIAA, and Fellow in the Institute for the Advancement of Engineering