

## **Gaylord Carlock**

Dr. Gaylord Carlock graduated from Joshua High School in 1962. He continued his education at the University of Texas at Arlington where he graduated with Honors in 1967 with a Bachelor's Degree in Electrical Engineering, he went on to receive a Master's Degree in Electrical Engineering from UTA in 1968. In 1974 he graduated from Southern Methodist University with a Doctor of Philosophy Degree for his dissertation entitled, Combined Estimation and Control of Feedback Stochastic Systems. He was inducted into the Tau Beta Pi general engineering honor society and the Eta Kappa Nu electrical engineering honor society, both for high grade point ratios.

From 1963 – 1965 Dr. Carlock was employed as a co-op engineering intern with NASA in Houston and worked on the manned spacecraft program for the manned lunar mission. After graduation from UTA, he was employed by General Dynamics in Fort Worth from 1968 – 1973 as an aerospace engineer working on the F-16 aircraft guidance and navigation system. From 1973 – 1980, he was employed by Bell Helicopter Company in Euless and worked on the AH-63 helicopter stability and control system. He also designed a redundant fly-by wire control system for controlling the pitch of rotor blades in turbulence; and was awarded two patents for innovative design with two other engineers.

Dr. Carlock has been employed at Lockheed Martin Corporation in Grand Prairie since 1980 and works on guidance and control of air defense missiles. At Lockheed Martin, he has served as program manager for multiple Army contracts including efforts to operate the Patriot missile system in an interoperable configuration using sensor data from other weapon systems.

In addition, Dr. Carlock has served as an adjunct professor with Letourneau University at the Dallas campus as a Statistic professor and teaching Quantitative Analysis in the graduate business school.

In 2012, Dr. Carlock was the technical engineering lead for a successful program at the Utah Test and Training Range, testing a PAC-3 hit to kill missile.

As a civic leader in Joshua ISD, Dr. Carlock served on the Joshua ISD Board of Trustees for 15 years and served two terms as President of the Joshua ISD School Board.