

Herb Schilling's Job Functions at NASA Glenn Research Center

1. Education

- a. Cleveland Public Schools and private high school in the Cleveland area
- b. 4 years for Bachelor of Science (B.S.) degree in Electrical Engineering and Applied Physics at CWRU
- c. 1 year for Master of Science (M.S.) degree in Electrical Engineering and Applied Physics at CWRU
- d. 2 1/4 years for doctorate (Ph.D.) in Electrical Engineering and Applied Physics at CWRU – using math and computers, model and optimize an antenna design

2. Previous Work Experience

- a. Republic Steel (later LTV) Research Center – signal processing, real time computer programming, and electromagnetic and ultrasonic modeling of sensors for non-destructive evaluation of steel products
- b. TRW (later Ex-Cell-O and then Textron) Research Center – image processing, robotics, and part dimensioning for the development of equipment to measure jet engine blades

3. Previous Work Experience at NASA

- a. Scientific computer programming
 - i. SmaggIce – computer program to support research into icing of airfoil surfaces
- b. Knowledge Management Systems
 - i. Programmed a custom content management system
 - ii. OpenText Livelink – customization programming
- c. Current Work at NASA - Acting Webmaster, acting Webmanager, acting Web Team lead and acting Section 508 coordinator
 - i. Oversee the Web environment at NASA GRC – set policy, help users, provide tools for users, gather data on Web usage
 - ii. Help make Web sites accessible to the disabled