

Instructor Biography



Daniel G. Jablonski

I joined the staff of the Johns Hopkins University Applied Physics Laboratory (APL) in 1991, and began teaching at the Whiting School in 2001. My research interests involve the use of electromagnetic systems for guidance and navigation, with emphasis on microwaves (GPS, Cospas- Sarsat, etc.), and X-rays (X-ray navigation and X-ray communication in space). I am active in spectrum management and policy issues related to flight test telemetry, and help represent the flight test interests of the Defense Department and the U.S. aerospace industry at the International Telecommunications Union in Geneva. My experience prior to joining APL includes the design, manufacture, and deployment of prototype electronic sensors and systems; research in superconducting electronics, information theory, and supercomputing; and the investigation of dielectric waveguide for millimeter wave applications.

I received bachelor's and master's degrees in Electrical Engineering and Computer Science from MIT in 1976 and 1977, and a Ph.D. in physics from Cambridge University in 1982. I am a licensed Professional Engineer in the state of Maryland. I am a native of Maryland, and am a graduate of Walter Johnson High School in Bethesda.