

Designing Advanced Fighter Aircraft

By Burt Dicht

Director, IEEE University Programs

ABSTRACT

This presentation will focus on the development of advanced fighter aircraft and the role engineers play in the aircraft design process. The presentation will trace the history of “stealth” or “low observable” aircraft design with an emphasis on the Advanced Tactical Fighter (ATF) Program. Mr. Dicht will relate his experiences as an engineer in the aerospace industry and discuss opportunities for students interested in a career in aerospace, including information concerning engineering job functions, the current job market, and job search strategies. He will also offer tips on making the transition from student to practicing engineer and for advancing your career. Many of the topics covered in the presentation are basic to all entry-level engineering positions and will benefit students interested in pursuing other industries as a career path.

BIOGRAPHY

Burt Dicht is currently Director of IEEE University Programs where he is responsible for directing IEEE’s engineering education accreditation activities and for developing programs for faculty and students. Immediately before joining IEEE, he was the Managing Director of ASME’s Knowledge and Community Sector. Mr. Dicht began his career in the aerospace industry in 1982 and held the position as a lead engineer for Northrop Grumman and Rockwell Space Transportation Systems Division. He has worked on such projects as the F-5E Tiger II, the F20A Tigershark, the F-18E/F Super Hornet, the YF-23A Advanced Tactical Fighter and the Space Shuttle. He is a member of IEEE, AIAA, and an ASME Fellow. He received his B.S. in Mechanical Engineering from Temple University and an M.A. in History from California State University, Northridge. He has authored numerous articles on aerospace history and is a frequent guest speaker on aviation and space topics. Mr. Dicht remains connected to the aerospace industry and serves as a volunteer exhibit explainer for the Intrepid Sea, Air, and Space Museum.



EVENT DETAILS

DATE:

Friday, April 19, 2013

TIME:

1:00 PM

LOCATION:

Kidde 228
Stevens Institute of Technology

ATTENDANCE:

This event is open to Stevens’
Faculty, Students, Staff, and
Invited Guests