

## JOHN JOSEPH RUSEK

### Education

Doctor of Philosophy

Major Field: Chemical Engineering

Case Western Reserve University (1983)

Dissertation: *Synchrotron Radiation Studies of Passive Iron Films - EXAFS*

Master of Science in Chemical Engineering

Case Western Reserve University (1981)

Thesis: *The Application of the Extended X-Ray Absorption Fine Structure Technique to the Study of Passive Ferrous Metal Films*

Bachelor of Science in Chemical Engineering

Minor in Surfaces and Catalysis

Case Western Reserve University (1976)

### Experience

#### Current Employment

- January 2001 to present, Research Director, Swift Enterprises, Ltd., West Lafayette IN.
- January 2001 to present, Adjunct Professor, School of Aeronautics and Astronautics, Purdue University, West Lafayette IN.
- January 2003 to present, Adjunct Professor, USAF Academy, Colorado Springs CO.
- August 1998 to present, Chief Engineer (WAE), Energetic Materials Department, Naval Air Warfare Center China Lake CA.

#### Past Employment

- August 1998 to January 2001, Assistant Professor, School of Aeronautics and Astronautics, Purdue University, West Lafayette IN.
- January 1993 to January 1996, Adjunct Professor, School of Engineering, Antelope Valley College, Lancaster CA.
- December 1995 to August 1998, Chief Engineer - Energetic Materials, DP-3 (GS-14), United States Navy, Naval Air Warfare Center, China Lake CA.
- July 1989 to December 1995, Research Chemical Engineer, GS-13, United States Air Force, Astronautics Laboratory, Edwards AFB CA.
- January 1987 to July 1989, Research Chemical Engineer, GS-12, United States Air Force Rocket Propulsion Laboratory, Edwards AFB CA.
- July 1983 to October 1986, Advanced Research Engineer, Exploratory Research Laboratory, Technical Center, Owens-Corning Fiberglas Corporation, Granville OH.
- September 1979 to July 1983, Research Engineer, Teaching Assistant, and Graduate Student, Department of Chemical Engineering, CWRU, Cleveland OH.
- June 1981 to August 1981, Consulting Engineer, Pickands Mather and Company, Cleveland OH.
- June 1978 to September 1981, Research Engineer, Corporate Research Center, UOP Inc., Des Plaines IL.
- June 1976 to June 1978, Development Engineer, Experimental Development Department, UOP Process Division, Riverside IL.

### Licenses, Registrations, and Certifications

- Professional Engineer – Ohio
- Private Pilot, Multi Engine Land, Instrument Rating
- Amateur Radio Operator

### Professional Activities

- Member -AIAA, AOPA, EAA, Alpha Chi Sigma
- Active Jazz Trombone Performer