

**Professional Resume
of
JEFF R. PAULUS, P.E., C.F.I., C.F.E.I.**

September 2009

I. General Information

Electrical Engineer, President
Paulus Engineering, Inc.
Cleveland, Ohio

II. Professional Summary

A. Education

Master of Science
Industrial Engineering
Cleveland State University
June 1993

Bachelor of Science
Electrical Engineering
University of Toledo
December 1987

B. Experience

September 2003 to Present

Position: President/Project Engineer - Electrical
Paulus Engineering, Inc.
Cleveland, Ohio

October 1996 through August 2003

Position: Project Engineer - Electrical
FTI/SEA Consulting, Inc.
Stow, Ohio

Responsible for electrical project engineering, which includes failure analysis of electrical components and systems, analysis of electrical equipment and appliances to determine their role in an incident, as well as evaluation of electric shock and electrocution incidents. Other types of projects include: equipment damage evaluation, such as lightning, water damage and lightning system evaluations. Conduct electrical site examinations to verify compliance with applicable codes.

1989-1996

Position: Electrical Engineer
Analex Corporation
Brook Park, Ohio

1995-1996

Manager of Systems Branch, responsible for nine people with Aerospace, Chemical, and Electrical Engineering backgrounds. Responsible for preparing statements of work, requests for contractor services, estimating budgets, and performing employee reviews.

1992-1996

Designed, tested, and delivered the instrumentation, data acquisition, storage, down-linking and control aspects for a Space Shuttle experiment (Droplet Combustion). Performed system-level hardware integration and testing. Consultant in the operational procedure development to train the Space Shuttle Astronauts. Selected to support the Payload Operations Support Center during Space Shuttle flights.

1990-1993

Responsible for requirements definition, operations, and control on the Architecture Team of the Space Station Freedom Project. Provided hazard analysis of the Space Station Freedom Electric Power System as a member of Space Station Safety Team.

1989-1990

Delivered conceptual electrical system design in support of the Space Station Assessment Workshops as a member of the Fluid Physics Dynamics Facility and Combustion Experiment teams.

1988-1989

Position: Electrical Engineer
Cleveland Electric Illuminating Company
Cleveland, Ohio

Member of Distribution Planning Element responsible for power management and distribution of the electrical system. Developed and investigated methods and techniques to improve the distribution system through analysis, while considering reliability, quality of service and operating cost.

III. Continuing Education/Seminars

- 1993 - National Electric Code, 40 hours
- 1995 - Geometric Tolerancing Course (USA SI Y14.5)
- 1996 - Advanced Insurance Fraud Seminar - Columbus, Ohio
- 1997 - Presented "Electrical Fire Causes" at International Association of Electrical Inspectors - Marietta, Ohio
- 1997 - Ohio Arson School, Inc., tested
- 1998 - IAAI/AHAM Conference "Investigation of Electrical Appliance Related Fires", 20 hours, tested
- 1999 - National Technology Transfer, Inc. - "Electrical Safety Requirements and Procedures" based on OSHA electrical safety work rules, 14 hours
- 1999 - Attended "Live Fires - Testing & Analysis" S.E.A. in cooperation with Upper Arlington Fire Department, 16 hours, untested
- 2000 - National Electrical Safety Code, 28 hours
- 2000 - Presented "Electrical Causes of Fires" to Brunswick Fire Department - Brunswick, Ohio
- 2001- Attended "Asbestos - Containing Material Awareness" training, June
- 2001- Attended S.E.A. 2001 training class for Fire Investigators & Electrical Engineers, 17.5 hours, untested
- 2002 - Ohio Arson School, Inc., 36 hours, untested, August
- 2004 - Attended Pennsylvania Arson Seminar, June
- 2005 - National Association Fire Investigators Seminar - Sarasota, FL, 32 hours, untested, August
- 2007- National Electric Code, 2008 revisions
- 2008 - Illinois Chapter International Association of Arson Investigators Fire Investigation Training Conference, 36 hours, tested
- 2009 - Surge Protection Device Seminar
- 2009 - Introduction to Arc Flash

IV. Professional Registration

- Professional Engineer State of Ohio, Registration No. E-62176
- Professional Engineer Commonwealth of Pennsylvania, Registration No. PE061809
- Professional Engineer State of Michigan, Registration No. 6201049637
- Professional Engineer State of Georgia, Registration No. PE029842
- Professional Engineer State of Mississippi, Registration No. 16997

VI. Honors

National Aeronautics and Space Administration Certificate of Appreciation for exemplary effort in the preparation, review, and presentation of Work Package Four.

Safety data and helping to establish the safety review process for the Space Station Freedom Program in July 1992.

National Aeronautics and Space Administration Certificate of Appreciation for the Safety Review Panel Pathfinder Meeting in December 1991.