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## Curriculum Vitae

### Profile

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- Electrical engineer and scientist specializing in electrical power, lightning, electromagnetic radiation, grounding, electrocution/electrical accidents, electrical & battery fires, lighting/illumination and safety.
- Provides consultation services for design, intellectual property, and litigation.
- Experienced expert witness, serving on many cases with court testimony and depositions.
- Qualified and credible as expert, with terminal degrees in field and professional licensure.
- Operates ElectroQuest, LLC, an engineering consultancy, since October 1998.

### Professional Certifications

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Licensed Professional Engineer - State of New Jersey, 1997.  
Certified Designer/Inspector, Lightning Protection Institute.  
Certified Fire and Explosion Investigator, National Association of Fire Investigators.

### Academic Credentials

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**B. Sc.** Physics - Seton Hall University, 1987.  
**M. Sc.** Electrical Engineering - University of Maryland, 1992  
**M. Sc.** Business Management - Florida Institute of Technology, 2012.  
**Ph.D.** Electrical Engineering - New Jersey Institute of Technology, 2002.

### Awards and Honors

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- Listed in Who's Who in the World & Who's Who in Engineering as engineer and inventor.
- Department of the Army System Safety Professional of the Year 1994.
- United States Army Materiel Command Federal Engineer of the Year 1994 & 2000, awarded by National Society of Professional Engineers.
- United States Army Materiel Command System Safety Engineer of the Year 1993 & 1999.
- Commander's Civilian Service Award, U.S. Army 1993.

### Patents

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- Grounding Device and Use Thereof, U.S. Patent No. 6288327.
- Radial Surface Ground Electrode, U.S. Patent No. 5801327.
- Resonant Transformer Systems and Methods for Use, Co-Inventor, U.S. Patent No.7940534.
- Methods and Systems for Wireless Energy and Data Transmission, Co-Inventor, U.S. Patent No.7960867.

### Professional Affiliations

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- Institute of Electrical and Electronic Engineers – Member.
- National Fire Protection Association (NFPA) – Chair Emeritus and Principal Member of Technical Committee on Lightning Protection and Principal Member of Committee on Electrical Safety in the Workplace.
- U.S. National Committee of the International Electrotechnical Commission, Deputy Technical Advisor, Committee 81 on Lightning Protection.
- International Association of Electrical Inspectors – Inspector Member.
- Lightning Protection Institute – Member, Professional Division.
- National Association of Fire Investigators, Member.
- Phi Kappa Phi, Academic Honor Society.