



Johannes C. Laun, P.E., IAAI-CFI, MIFireE
Senior Engineer
jclaun@proaaci.com
331-229-3316

2009– Present **Professional Analysis and Consulting, Inc. – Naperville, Illinois**

Responsible for engineering investigations including electrical engineering, materials engineering, origin & cause, and fire investigations for numerous areas including, product failure analysis, antennas & electromagnetics, copper/fiber cable systems, transformers, switchgear, power distribution, alternative energy, battery technologies, semiconductors & electronic materials.

2004-2009 **Packer Engineering, Inc. - Naperville, Illinois**

Provided engineering consultation regarding origin and cause in electrical and electronic areas including antennas and electromagnetics, power distribution and transformers, computers, battery technologies, semiconductors, electronic materials, and electrical fires. Also involved in product analysis and testing, and production line failure analysis.

1997-2004 **Amset Engineering, Inc. - Wheeling, Illinois**

Responsible for forensic engineering, origin & cause, project management, and cost analysis for the insurance community. Provided a wide range of technical support with emphasis on electrical & electronic aspects of claims. Experience with electrical & electronics, materials & chemical, telephone, computers & data, HVAC, boilers and machinery, heavy equipment, furnaces, etc. Extensive experience with equipment restoration following fires, floods and other exposures, especially electrical & electronic equipment.

1994-1997 **Genesis Magnetics Corp. – Boulder, Colorado**

Chief Technical and Financial Officer for this startup company developing electromagnetic cancellation technology. Developed U.S. and international patents with regard to this technology and pursued various markets.

1988-1991 **Bandgap Technology Corporation – Broomfield, Colorado**

Responsible for Molecular Beam Epitaxy (MBE) of III-V semiconductor materials, materials testing, and processing. Responsible for R&D MBE crystal growth and developed this into a production pilot line. Was responsible for selection, purchase, setup, and operation of production MBE systems and GaAs wafer processing equipment. Wrote business proposals and financial forecasts. Was additionally involved with customer contacts, materials specifications, and quality control.

1984-1988 **Gould Research Center - Rolling Meadows, Illinois**

Performed research and development work with MBE crystal growth on III-V semiconductors. Designed and fabricated new devices and techniques with MBE. Team member of group that developed the first commercial HEMT transistor.

ACADEMIC

- M.B.A. University of Colorado at Boulder - Technology Management (1994)
- M.S. University of Illinois at Chicago - Physics (1984)
- B.S.E.E. University of Illinois at Chicago - Electromagnetics and Antennas (1981)

PROFESSIONAL REGISTRATION AND AFFILIATIONS

LICENSES

- Professional Engineer in Illinois (062-057157)
- Professional Engineer in Florida (65382)
- Professional Engineer in Ohio (72528)
- Professional Engineer in West Virginia (17675)
- Professional Engineer in Arkansas (14619)
- Professional Engineer in South Carolina (32586)
- Private Detective in Illinois (115-002128)
- Amateur Radio Operator (WB9STI)
- United States Council for International Engineering Practice (USCIEP) (26920)

CERTIFICATIONS:

- HAZWOPER 40 Hour Certification for emergency response at all levels
- Certified Fire Investigator (IAAI-CFI) Registration No: 12-100807
- ProBoard Certified Fire Investigator
- Fire Engineer – MIFireE designation – Institute of Fire Engineers
- OSHA 30 Hour Outreach Training Program – Construction
- Operator Safety Training Program – OSHA, Forklift Class IV and V
- NRA – Range Safety Officer
- NRA – Certified Pistol Instructor

AFFILIATIONS

- National Fire Protection Association (NFPA)
- National Association of Fire Investigators (NAFI)
- Institute of Electrical and Electronics Engineers (IEEE)
- International Association of Arson Investigators (IAAI)
- Western Loss Association
- Blue Goose, Greater Chicago Pond
- Member - Institute of Fire Engineers (IFE)

LECTURES AND INVITED PRESENTATIONS

- Laun, J.C., “Lightning and Grounding”, DRI Product Liability Conference, February, 2007.
- Laun, J.C., “Forensic Electrical Engineering”, Northwestern University, March, 2006.
- Laun, J.C., “Forensic Electrical Engineering”, Case New Holland (CNH) Equipment, February, 2005.