

ONSITE

ENGINEERING

BROCK S. LINDSTEDT

Electrical Engineer

Education:

BS in Electrical & Electronic Engineering
University of Illinois at Champaign-Urbana
May 1974

Hybrid Electric Car Project 4 Semesters

Continuing Education:

Hazwoper Refresher Training 29 CFR.1910.120 Class,
12/19, 8 Hours

Whitemore Fire Consultants “A Look Under the Covers”
Seminar, 11/19, 6 Hours

Minnesota Chapter of IAAI “Fire & Arson Investigation”
Conference, 3/19

Whitemore Fire Consultants “Warning! This is a Test”
Seminar, 10/18

Minnesota Chapter of IAAI “Fire & Arson Investigation”
Conference, 3/18

Hazwoper Refresher Training 29 CFR.1910.120 Class,
11/17, 8 Hours

1st Aid, CPR, BBP and AED training, 11/17

Asbestos Awareness Training, 11/17

Confined Space Entry & Rescue Training, 11/17

NSPE-MN “OSHA & NFPA70E Based Electrical Safety in
the Workplace”, 2 hours, 11/17

Whitemore Fire Consultants “Handling 1st & 3rd Party
Subrogation & Liability Claims” Seminar, 9/17

Minnesota Chapter of IAAI "Fire Investigation"
Conference, 3/17

Hazwoper Refresher Training 29 CFR.1910.120 Class
11/16, 8 Hours

Whitemore Fire Consultants "In the
Beginning...Building a Subrogation Case" Seminar,
7/16

Minnesota Chapter of IAAI "Fire & Arson Investigation"
Conference, 3/16

Whitemore Fire Consultants "Back to the Basics"
Seminar, 5/15

Minnesota Chapter of IAAI "Fire & Arson Investigation"
Conference, 3/15

Hazwoper Training 29 CFR 1910.120/29 CFR 1926.65,
10/14, 8 Hours

Hazwoper Training 29 CFR.1910.120 Class,
11/13, 8 Hours

Whitemore Fire Consultants "Investigating Today's Fire
Claim, Utilizing Social Media" Seminar, 10/13, 5 Hours

Hazwoper Training 29 CFR.1910.120 Class,
11/12, 8 Hours

Whitemore Fire Consultants "Identifying the Positive in
the Negative Corpus & Other Aspects of Fire
Investigation & Subrogation" Seminar, 9/12

Asbestos Awareness Training, 10/11, 2 Hours

Hazwoper Refresher Training 29 CFR.1910.120 Class,
10/11, 8 Hours

Hazwoper Refresher Training 29 CFR 1910.120 Class,
10/10, 8 Hours

Whitemore Fire Consultants "Costly Mistakes in Fire
Investigation" Seminar, 9/10

The Scientific Method for Fire and Explosion
Investigation, IAAI CFITrainer.Net, 8/10, 3 Hours

Understanding Fire Through the Candle Experiments
IAAI CFITrainer.Net, 9/09, 4 Hours

Arc Mapping Basics IAAI CFITrainer.Net, 8/09, 4 Hours

MN BCA Intermediate/On-Scene Fire/Arson
Investigation, 10/06

MN BCA Basic Fire/Arson Investigation, 9/06

LP Gas Emergencies (F.I.R.E. Services), 7/06

UL Fire Alarm Seminar, 11/04

First Responder Certificate, Allina Medical, 12/03

NFA Managing Company Tactics, Anoka-Hennepin
Tech, 12/03

Fire Fighting Foams, Anoka-Hennepin Tech, 9/03

Fighting Fire in Sprinkled Buildings, Anoka-Hennepin
Tech, 9/03

Terrorism Awareness, Anoka-Hennepin Tech, 9/03

Bus Extrication, Anoka-Hennepin Tech, 8/03

LP Gas Bulk Tank Emergencies, Anoka-Hennepin Tech,
6/03

Auto Air Bag Safety, Anoka-Hennepin Tech, 4/03

Clandestine Drug Lab Awareness, Anoka-Hennepin
Tech, 1/03

Wild Land Fire Fighting, Anoka-Hennepin Tech, 6/02

Fire Officer I, Anoka-Hennepin Tech, 5/02

Terrorism Awareness, Anoka-Hennepin Tech, 4/02

Auto Extrication Techniques, Anoka-Hennepin Tech,
3/02

MN Fire Service Certification Board Fire Fighter II, 3/02

Minnesota Chapter of IAAI Annual Fire Investigation Conference, '02, '09, '10, '11, 12, 3/15

MN Fire Marshall Div. School Fire and Life Safety, 2/02

Truck Placement & Tactics, Anoka-Hennepin Tech, 2/02

Hazardous Materials Operational Level I, 12/00

MN State Fire School Aerial Apparatus Operations, Hennepin Tech, 4/00

Building Construction Wood & Ordinary, Anoka-Hennepin Tech, 3/00

MN State Fire School Advanced Pumper Operation, South Central Tech, 3/00

Fire Ventilation, Anoka-Hennepin Tech, 9/99

Auto Extrication Techniques, Anoka-Hennepin Tech, 7/99

MN Fire Service Certification Board Fire Fighter I, 6/99

Experience:
7/10 to
Present

OnSite Engineering & Forensic Services, Inc.,
Prior Lake, MN

Senior Forensic Engineer

Perform forensic electric failure analysis of electrical service installations including underground feeders, overhead service failures, electrical distribution equipment, transformer failures, fuse failures. Identify installation deficiencies of electrical installations in commercial, industrial and residential structures.

3/99 - 4/12

Lake Johanna Fire Department, Shoreview, MN

Fire Investigator – Since 3/2002

Engineer (Driver/Operator) – Since 4/2000

Fire Fighter – Since March 1999

5/06 – 6/10

Self Employed Independent Contractor

- 5/03 – 4/06** **Guidant Inc., Arden Hills, MN**
Principal Reliability Engineer supporting new ICD design and development
- 10/95 – 10/01** **Data Sciences International, Arden Hills, MN**
Lead digital designer for low power mixed mode implantable ASICs
System architect for local area data acquisition hardware platform
Manager of the Digital Design Group (4 people)
- 8/83 – 10/95** **Self Employed Independent Contractor**
Lead ASIC designer for a high-speed shipboard military computer
Helped develop system architect for a military computer upgrade
Designed and developed the digital portion of a data acquisition system
Co-founder of Data Sciences Inc. (Transoma Medical)
- 6/80-7/83** **Cardiac Pacemakers Inc., Arden Hills, MN**
ASIC designer for low power implantable communications control IC
Key team member in developing architecture for the first dual chamber pacemaker
- 6/74 – 6/80** **Univac Defense Systems, Eagan, MN**
Designed various I/O adaptors and math support accelerators for military computers
- 6/68 – 8/73** **National Grey Iron Foundry, Belvidere, IL**
Summer Job
Performed machine and electrical maintenance, troubleshooting and repair
Converted a 300HP motor and contactor assembly from 240VAC to 480VAC
Designed a solid state variable voltage AC/DC converter to replace an M/G set
- Professional Qualifications** HazMat Operations
Confined Space Awareness

Publications

Patent #4,562,841 Programmable Multi-mode Cardiac Pacemaker
Patent #6,947,795 Frame length modulation and pulse position modulation for telemetry of analog and digital data
Patent #7,418,297 Frame length modulation and pulse position modulation system

Professional Affiliations

IAAI Minnesota Chapter Associate Member
IEEE (Institute of Electric and Electronic Engineers)
NFPA (National Fire Protection Agency)