

**C U R R I C U L U M V I T A E**  
**Bert N. Davis, Ph.D, P.E., LEED AP, C.F.E.I.**  
**P R I N C I P A L**



**Areas of Specialization**

During the early 1980's Dr. Davis began his engineering career performing energy audits and residential contracting work. From 1986 to 1990 Dr. Davis was the senior plant engineer at Carnegie Mellon University. During this time he also worked as an HVAC, plumbing and electrical contractor. In 1990 Dr. Davis founded Bert Davis & Associates (BDA) and Hyde Group. BDA was formed to provide engineering services, and Hyde Group was formed to provide HVAC, Plumbing, Sprinkler and Electrical contracting services. In 2006 BDA incorporated. Dr. Davis brings to the firm over 30 years of diverse engineering and contracting experience. Dr. Davis has extensive knowledge of building codes, building envelope and roofing systems, site utilities, mechanical systems, electrical systems, renewable energy systems and geothermal systems. BDA has been involved in the design, energy analysis and commissioning for many LEED Certified Buildings. Dr. Davis is also a forensic engineering consultant with RDA, and is a Certified Fire and Explosion Investigator and Instructor.

**Employment History**

1990 to present	Principal of BDA Engineering, Inc.
1990 to 2003	Principal of Hyde Group, Inc. (MEP/SP Contractors)
1989	Established a MEP/SP consulting business (Bert Davis & Associates)
1989-1990	Engineering Group Leader, Ross Bianco Architects
1988	Promoted to Senior Project Engineer at Carnegie Mellon University. Duties included electrical, mechanical, fire protection, and plumbing design, as well as project management and energy conservation.
1986	Electrical/Mechanical Project Engineer for Carnegie Mellon University.
1985	Energy Coordinator for Carnegie Mellon University. Also served as energy consultant to Action Housing, Inc.
1982	Performed HVAC/Electrical system energy audits of large industrial, institutional, apartment, and office buildings under contract with the Pennsylvania Governor's Energy Council.

**Professional  
Affiliations**

- **ASHRAE** (American Society of Heating, Refrigeration and Air-Conditioning Engineers)
- **ASPE** (American Society of Plumbing Engineers)
- **ASCE** (American Society of Civil Engineers)
- **ICC** (Int. code Council)
- **USGBC** (US green building council)
- **GBA** (Green Building Alliance)
- **NFPA** (National fire protection Assoc.)
- **ASES** (American solar energy society)
- **PSPE** (PA society of professional engineers)
- **NAFI** (National Assoc. of fire and explosion investigators)

**Professional Engineer Registered in The Following 15 States:**

PA, OH, WV, NY, NJ, TX, NC, WY, UT, MS, IL, MD, LA, TN, VA, KY

**Professional Registration**

1990 P.E. – State of Pennsylvania  
 LEED Accredited Professional  
 Registered City of Pittsburgh  
 Electrician

**Educational Background**

2002 Ph.D. - Carnegie Mellon University  
 1992 M.S.C.E. - Carnegie Mellon University  
 1986 B.S.M.E. - Carnegie Mellon University

**BDA  
ENGINEERING, INC.**

395 E. Waterfront Drive  
 Homestead, PA 15120  
 Phone:412-461-4935 Fax:412-461-4965