

Brian J. Lovell

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PROFESSIONAL EXPERIENCE

Higher Education Consulting January 2012 – present. Special project consulting related to higher education in sustainability, automation, energy and applied pedagogy. Clients include the Department of Energy, National Renewable Energy Laboratories, American Association of Community Colleges and the National Science Foundation.

The Association of Controls Professionals, 501-(c)-3 Non-profit Organization January 2014 – present. (*Co-founder / President*) Directing efforts to establish an ISO/ANSI 17024 international certification for commercial controls technicians which will be the industry's first. Developing training modules for controls technicians and members.

The Watt Doctors, LLC July 2011 - present. *Managing Member*. Co-founder of an organization specializing in energy assessments and modeling to reduce utility expenses, inform energy conservation measures, sequence of operation optimization, and systems integration initiatives.

Georgia Piedmont Technical College August 2012 - Present. *Co-Principal Investigator*. National Science Foundation (NSF) Building Efficiency for a Sustainable Tomorrow (BEST) Center. Responsibilities include dissemination of building automation systems curriculum, national workshop planning, development of advisory boards at various community colleges, recruitment efforts, instructor development at participating colleges.

Georgia Piedmont Technical College June 2007 - December 2012. *Director of the Green Technologies Academy (GTA)*. Developed 18 new courses to the Technical College System of Georgia and three new programs of study. Managed enhancement of sustainability curriculum in six program areas under the GTA. Developed and managed two advisory boards and served on a third. Received over one million dollars of in-kind donations in support of programs and established partnerships with over 40 corporations. Partnered with other colleges in the area for project-based learning supported by corporate donations of time and material. Implemented living laboratory project-based learning at several campus locations. Independently developed and managed three federal stimulus grants and contributed to award of NSF BEST Center.

Synergy Automation, Inc. February 1998 - December 2003. *Founder and President.* Established corporation as a major building automation systems contractor and energy services company in the Atlanta area. Managed sales, engineering, installation, and service divisions from inception through growth to a multi-million dollar organization. Major clients included school districts, high-rise office towers, universities, federal buildings, and data centers.

Dale Sims, Inc. February 1996 - February 1998. *Manager of Controls Division.* Established controls division of Atlanta-based union mechanical contracting firm. Managed sales, engineering, installation, and service activities of the division.

Capital Controls, Inc. February 1994 - February 1996. *Service and Training Manager.* Developed control systems training curriculum and delivered to customers and sub-contractors. Managed service department, programmed controllers, built control cabinets, developed graphical user interfaces, and control algorithms.

EDUCATIONAL BACKGROUND

Ed.D. Candidate, Concordia University-Portland – May, 2018 projected completion

M.Ed. Educational Leadership, Concordia University-Portland – May, 2015

B.S. Biology, minor in Chemistry, Georgia State University – May 16, 2014

A.A. Mathematics, Georgia Perimeter College – December 14, 2009

A.A. Biology, Georgia Perimeter College – December 14, 2009

Diploma Electronics Fundamentals, DeKalb Technical College – March 19, 2008

A.A.S. Air Conditioning Technology, DeKalb Technical College – December 12, 2007

Diploma Air Conditioning Technology, DeKalb Technical College – June 10, 1994

Georgia Institute of Technology, Mechanical Engineering (last attended Dec., 1991)

LICENSES / CERTIFICATIONS

Niagara AX Platform Certification

Unrestricted Low Voltage Contractors License (State of Georgia)

EPA 608 Refrigerant Handling Certification

AWARDS

GPC Alumnus Award of Leadership, GPC Alumni Association - 2012

Educator Excellence Award, University of Texas – 2011

Instructor of the Year Award, Georgia Piedmont Technical College – 2011

Community Coach of the Year, Atlanta Braves - 2007 (Presented by Bobby Cox at Turner Field)

GPC President's Award - 2004

Best Commercial Energy Project Award, Energy User News - 1996

RELEVANT PUBLICATIONS

Cohen, T. & Lovell, B. (2013). *The Campus as a Living Laboratory: Using the Built Environment to Revitalize College Education*. Washington, DC: The American Association of Community Colleges. Retrieved from www.theseedcenter.org

REFERENCES

Tanya Gorman, Ed.D.

Former Vice President of Academic Affairs at Georgia Piedmont Technical College (GPTC) - retired

Relationship: Former superior at GPTC

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Natoshia Anderson, Ed.D.

Director of STEM Initiatives, Georgia Piedmont Technical College

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