

## **DAVID JOHN ELLERT, P.E.**

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October 6, 2009

### EDUCATION

B.S. Mechanical Engineering, December, 1979- Purdue University

### TEACHING EXPERIENCE

*Instructor in Engineering* - Department of Engineering, University of Southern Indiana  
October 2003→Present

#### Completed instruction of the following Courses:

	<u>Course No.</u>
Principles of Problem Solving, fall 2004→present	ENGR 103
Applied Problem Solving, fall 2004→present	ENGR 104
Introduction to Design I, fall 2003, spring 2004, summer 2005, 2006	ENGR 107
Introduction to Design II spring 2004, spring 2005, spring 2007	ENGR 108
Materials and Processes - Lab, fall 2004	MET 111
Heating, Ventilating, and Air Conditioning (HVAC), spring 2005	MET 432
CAD Fundamentals, fall 2005, 2009	TECH 121
Robotics, spring 2008	TECH 272
Thermodynamics and Heat Transfer, fall 2006→present	TECH 351
Senior Project, fall 2006, spring 2007	TECH 471

### TECHNICAL AND COMPUTER SKILLS

AutoCAD computer aided design and drafting of construction drawings  
SolidWorks Essentials training in 3D part modeling, drawing and assembly  
Visual Basic for Applications (VBA) computer programming and flowcharting  
Import data collection from field survey into Civil Engineering AutoCAD drawings.  
HVAC building load, energy, and duct static regain computer calculations.

### INDUSTRY EXPERIENCE

*Senior Mechanical Engineer* – Veazey Parrott Durkin & Shoulders  
Architects and Engineers - May 2001→Sept. 2003

*Vice-President, Operating Officer* - Biagi, Chance, Cummins, London, Titzer, Inc.  
Consulting Engineers - Nov. 1985→April 2001

*Territory Manager* -Bryant Sales Division - Frank Lyon Company  
Bryant Heating and Air Conditioning Equipment - April 1982→July 1985

*Assistant Product Manager /Product Development Engineer*  
BDP Company, Division of Carrier Corporation - Jan. 1980→March 1982

## CERTIFICATES AND LICENSURE

Registered Professional Engineer

Indiana No. PE60880389 (active), Kentucky No. 21359, New Jersey No. 42346

## PUBLICATIONS

Co-author, Chapter 10 Visual Basic for Applications subroutines - *A Guide to Microsoft Excel 2007 for Scientist and Engineers* by Bernard V. Leingme, St. Francis Xavier University, Nova Scotia, Canada

## COMMUNITY OUTREACH

*Coordinator of engineering outreach*

Co-director Tri-state Science and Engineering Fair

Project Lead the Way high school engineering liaison

Advisor to Lego Mindstorms Robotic competition teams

Board of Directors - Executive Committee, Leadership Evansville

## PROFESSIONAL SOCIETIES

Member, American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Member, American Society for Engineering Education