

Construction Engineering and Management Technology Faculty Resumes
--

Burrus, David L.

Name and academic rank

- David L. Burrus, Continuing Lecturer, Building Construction Management Technology

Number of years of service on this faculty including, original appointment and dates of advancement

- Twelve years service on this faculty
- Continuing Lecturer, 1997
- Hired August 1997

Degrees

- M.A., Valparaiso Univ., 1985
- B.S., Business Administration, Valparaiso Univ., 1980
- B. Architecture, Texas A&M, 1968

Other related experience, i.e., teaching, industrial, etc.

- Teaching
 - Purdue University North Central, 1987-1994, Guest Lecturer Building Construction Management Technology
- Industrial
 - Harza Engineering Co., 1995-1997, Project Manager
 - Valparaiso Water Department, Valparaiso, IN 1987-1995, Chief Engineer
 - Burrus, Inc., Valparaiso, IN, 1972-1987, President and CEO
 - US Navy, Civil Engineer Corps., 1972-1999, Office (Reserve)
 - US Navy, Civil Engineer Corps., 1969-1972, Officer (Active)

Consulting, patents, etc.

- Porter County Board of Commissioner
- Porter County Drainage Board

States in which professionally licensed or certified, if applicable

- None

Principal publications of the last five years

- None

Scientific and professional societies

- Officer, Civil Engineer Corps (Retired)
- American Society of Mechanical Engineers

Honors and awards

- None

Institutional and professional service in the last five years

- Student Advising 2 hrs/week
- PNC Construction Club 1 hrs/week

Professional development activities in the last five years

- Member Porter County Redevelopment Commission
- Chairman, Porter County Drainage Board
- Student Community Service Projects

Percentage of time available for research, scholarly activities, or professional development

- Research 0
- Scholarly Activities 0
- Professional Development 25

Percentage of time commitment to the program

- Teaching 75

Dobrowski, Thomas J.

Name and academic rank

- Thomas J. Dobrowski, Assistant Professor, Building Construction Management Technology

Number of years of service on this faculty including, original appointment and dates of advancement

- Four years service on this faculty
- Assistant Professor, 2005
- Hired August 2005

Degrees

- M.B.A., Purdue University Calumet, 2001
- B.S., Construction Technology, Purdue University Calumet, 1988
- A.A.S., Civil Engineering Technology, Purdue University Calumet, 1987

Other related experience, i.e., teaching, industrial, etc.

- Teaching
 - Purdue University Calumet, Department of Construction Technology, 1990-2005, Adjunct Faculty
- Industrial
 - DLZ Industrial, LLC, 1999-2005, Assistant Industrial Division Manager

- Double D Construction, 1997-1999, Co-Owner
- Precision Surveillance Corporation, 1992-1997, Manager of Engineering
- Axelrod Construction Company, 1986-1992, Project Manager

Consulting, patents, etc.

- DLZ Industrial, LLC
- Chicago Transit Authority - Brown Line Rehabilitation Project
- BP Whiting Refinery

States in which professionally licensed or certified, if applicable

- None

Principal publications of the last five years

- Dobrowski, Thomas J. (2009, March 27-28, 2009), *Utilizing lecture notes in lieu of textbooks*. Paper presented at the American Society of Engineering Educators (ASEE) 2009 Indiana/Illinois Conference, Valparaiso, IN.
- Dobrowski, Thomas J. (2009, February 2-6, 2009), *Industry Collaborations utilizing Advisory Committees*. Paper presented at the American Society of Engineering Educators (ASEE) 2009 Conference for Industry and Education Collaboration (CIEC), Engineering Technology Division (ETD), Orlando, FL.
- Dobrowski, Thomas J. (2008, June 18-21, 2008), *Industry Collaborations regarding Curriculum*. Paper accepted and to be presented at the American Society of Engineering Educators (ASEE) Annual Convention, Pittsburg, PA
- Dobrowski, Thomas J. (2008, February 13-15, 2007), *The Importance of including industry in Teaching Ethics*. Paper presented at the American Society of Engineering Educators (ASEE) 2007 Conference for Industry and Education Collaboration (CIEC), Engineering Technology Division (ETD), New Orleans, LA. Recognized at Opening Reception for “Outstanding Conference Paper”.
- Dobrowski, Thomas J. (2007, March 30-31, 2007), *The Importance of Teaching Ethics*. Paper presented at the American Society of Engineering Educators (ASEE) 2007 Indiana Illinois Conference, Indianapolis, IN
- Dobrowski, Thomas J. (2007, February 3-10), *Creative University - Industry Collaboration (The Portage Project)*. Paper presented at the American Society of Engineering Educators (ASEE) 2007 Conference for Industry and Education Collaboration (CIEC), Engineering Technology Division (ETD), Palm Springs CA.
- Dobrowski, Thomas J. (2006, June 18-21, 2006), *UNIVERSITY AND INDUSTRY COLLABORATION - IDEAS BENEFICIAL TO BOTH*. Paper presented at the American Society of Engineering Educators (ASEE) Annual Convention, Chicago, IL

Scientific and professional societies

- American Concrete Institute
- American Institute of Steel Construction
- American Society for Engineering Education

- Society of American Military Engineers

Honors and awards

- 2007, Outstanding Conference Paper – American Society of Engineering Educators 2007 Conference for Industry and Education Collaboration, Engineering Technology Division, New Orleans, LA.
- 2001, Employee of the Year, DLZ Corporation (850 person engineering firm)

Institutional and professional service in the last five years

- | | |
|--|--------------|
| • Purdue University North Central (PNC) Faculty Senate | 1 hr/week |
| • Student Advising | 1 hr/week |
| • Construction Club | 100 hrs/year |
| • PNC Grievance Steering Committee | 6 hrs/year |
| • PNC Student Affairs Chairman | 3 hrs/year |
| • PNC Student Experience | 20 hrs/year |

Professional development activities in the last five years

- Member of PNC ECET Search Committee, 2008
- Developer of Graycor Safety Seminar, a two day seminar for Graycor Project Managers and superintendents (272 total) to teach OSHA soil classification.

Percentage of time available for research, scholarly activities, or professional development

- | | |
|----------------------------|----|
| • Research | 10 |
| • Scholarly Activities | 20 |
| • Professional Development | 10 |

Percentage of time commitment to the program

- 60%

Garcia-Saenz, Martha

Name and academic rank

- Martha Garcia-Saenz, Associate Professor, Building Construction Management Technology

Number of years of service on this faculty including, original appointment and dates of advancement

- Ten years service on this faculty, Four years service on Purdue West Lafayette faculty
- Associate Professor, 2005
- Assistant Professor, 1999
- Hired August 1999

Degrees

- M.S.C.E., Purdue University, 1999
- M.S., University Management, ASCUN, 1987
- B.S.C.E., Universidad La Gran Colombia, 1974

Other related experience, i.e., teaching, industrial, etc.

- Teaching
 - Universidad La Gran Colombia, Research Center of the School of Civil Engineering, 1998/2000, Summer Researcher
 - Purdue University, 1998-1999, Spanish Language Computer Lab Manager
 - Purdue University, 1997-1998, Spanish Teaching Assistant
 - Purdue University, 1995-1997, Guest Lecturer, Spanish
 - Universidad La Gran Colombia, School of Civil Engineering (Bogotá, Colombia), 1979-1993, Part-time Professor of Solar Energy and Concrete
 - Universidad Catolica de Colombia, School of Architecture (Bogotá, Colombia), 1974-1992, Part-time Professor of Solar Energy and Concrete
- Industrial
 - Cornerstone Design, Summers of 1999-2002, Miscellaneous Projects
 - Cornerstone Design, 1995-1999, Assistant Professional
 - Banco Central Hipotecario, Colombia, 1988-1993, Chief Project Manager
 - Banco Central Hipotecario, Colombia, 1991-1992, Department Chief
 - Vans Ltda, Colombia, 1977-1987, Manager
 - Youth Center (Cedej), 1978-1982, Director of Housing Project “La Alegria”
 - Jose Pablo Sanint Ltda., Colombia, 1979-1980, Manager in Commission
 - Jose Pablo Sanint Ltda., Colombia, 1976-1978, Chief of Construction Department
 - Conval Ltda., Colombia, 1974-1976, Superintendent
 - Conval Ltda., Colombia, 1973-1974, Assistant Superintendent
 - Caja Nacional de Prevision Social, Colombia, 1969-1973, Inspector

Consulting, patents, etc.

- None

States in which professionally licensed or certified, if applicable

- License 14037 CND Colombia.

Principal publications of the last five years

- Garcia-Saenz, Martha. “Falling Economy Forces Refinement in Calculations. When Making Decisions, Real Options Analysis Could Be an Answer”, *Seventh LACCEI-2009 Latin American and Caribbean Conference for Engineering and Technology*, June 2-5, 2009, San Cristóbal, Venezuela.
- Garcia-Saenz, Martha. “Identifying and Promoting Different Types of Engineers” presented at the *3rd Annual Early Childhood Conference*. PNC’s Center for Early Learning, Imagination Station and MCAS. Everyday Wonder, April 25, 2009.

- Garcia-Saenz, Martha, Sanders Smith, Sarah. and Longhinos, Biju. “Globalization: Effects and Opportunities for Higher Education”, *37th ASEE/IEEE Frontiers in Education Conference.*, October 11, 2007, Milwaukee, Wisconsin
- Garcia-Saenz, Martha and Garcia, Maria C. “Service-Learning Project and Technology-Transfer to Benefit Developing Communities.” *ASEE*, June 18-21, 2006, Chicago, IL.
- Garcia-Saenz, Martha, and García Á, María C. “Teaching Renewable Energy in a Developing Country, Experiences Over More Than Two Decades” *ICRED-2006*, April 5 - 7, 2006, Washington D.C.
- Garcia-Saenz, Martha “With New Tools, Changes in Engineering and Construction Management are needed.” *LACCEI*, June 8-10, 2005, Cartagena, Colombia S.A.
- Garcia-Saenz, Martha, and García, María C. “Cost Effective Utilization of Solar Energy to Improve Thermal Comfort on Housing of Social Interest for Bogotá City.” *LACCEI*, June 8-10, 2005, Cartagena, Colombia S.A.
- Garcia-Saenz, Martha, “Applying Game Theory and Real Options to Competitiveness in Construction Businesses,” *ASEE*, June 20-23, 2004, Salt Lake City, Utah.
- Garcia Saenz, Martha, “Potential and Real Applications of Real Options When Valuing Engineering and Construction Projects,” *ISEC*, June 17-19, 2004, Cocoa Beach, Florida.
- Garcia-Saenz, Martha, and García A., María C. “Domótica, Energía Solar Pasiva, Arquitectura Bioclimática y Bioarquitectura al Beneficio del Confort y del Hábitat del Hombre,” *Ingeniería Gran Colombiana* No. 9. ISSN 0122-3739, June 2004, Research Division of the Civil Engineering School, La Gran Colombia University.

Scientific and professional societies

- American Society of Civil Engineering (ASCE). 1998-Present
- Architectural Engineering Institute (AEI), 1998-Present
- Construction Institute (CI), 1998-Present
- American Society for Engineering Education (ASEE), 2000-Present
- Association for the Advancement of Cost Engineering International (AACEI), 2002-Present
- International Solar Energy Society (ISES), 2002 - Present
- Colombian Solar Energy Society, 1982-1993. Board of Directors 1988- 1990.
- Purdue University North Central Women’s Association (PNCWA), 2000 – Present (president of the past year and vice-president for the year 2007-2008).
- Purdue University Alumni Association, 1999 - Present
- Julio Cesar Garcia Foundation, Board Member, 1982- Present.
- Women in Engineering Program, Purdue University. Member 1998- 1999.
- Engineers of La Gran Colombia University Association. 1974- Present. Board of Directors 1974-1975

Honors and awards

- 2009, Outstanding Educator Medal, Universidad La Gran Colombia
- 2008, 2007 & 2005. Violet Haas Award, Purdue University. Nominated by PNC Chancellor.
- 2006, National Outstanding Educator Award, National Association of Home Builder

Institutional and professional service in the last five years

- Student Advising
- Promotional activities on behalf of PNC
- PNC Women in Engineering and Technology Program Director
- PNC Construction Club Advisor

Professional development activities in the last five years

- Activities as a Referee
 - Journal of Construction Management and Economics
 - Journal of Construction Law and Management.
 - Journal of Engineering, Construction and Architectural Management.
 - LACCEI , FIE, ASEE and ISEC conferences
- Conferences attended in the last five years
 - LACCEI (2 conferences & member of the editorial committee)
 - ASEE (3 conferences)
 - FIE (1 conference)
 - ICRED, (1 conference)
 - IBI, (5 conferences)
 - ISEC (1conference)
 - SAGE-TIMBERLINE (1 conference)
 - ASCE (4 conferences)

Percentage of time available for research, scholarly activities, or professional development

- | | |
|----------------------------|----|
| • Research | 10 |
| • Scholarly Activities | 10 |
| • Professional Development | 5 |

Percentage of time commitment to the program

- | | |
|-----------------------|----|
| • Program Coordinator | 15 |
| • Teaching | 60 |