

Robert M. Stwalley, III

- PhD 1992, Mechanical Engineering, Purdue University
- MSE 1985, Mechanical Engineering, Purdue University
- BSAGEn 1982, Agricultural and Biological Engineering, Purdue University

Academic Experience:

- Assistant Clinical Professor. 2014 – Present; Associate Professor. 2009 - 2015. Assistant Visiting Professor. 2013 – 2014. Department of Agricultural and Biological Engineering, Purdue University.
- Instructor, Technology Division, Ivy Tech State College. 1994 – 1997.
- Visiting Professor, Physics Department, Wabash College. 1990 – 1991.
- Teaching Assistant, Agricultural and Biological Engineering, Mechanical Engineering. 1986 - 1990

Other:

- Member, Board of Directors Indian School Board Association, 2011 – Present
- Member, Board of Trustees, Lafayette School Corporation, 2003 – Present
- President, The Solarium Trading Company. 2008 – 2012
- Chief Development Engineer, Asha Power, Inc. 2007 – 2008.
- Director, Office of Professional Practice, Purdue University, 2002 – 2007
- Director of Corporate Education Projects, Stwalley & Stwalley Engineering. 1986 – 2002. Executive Vice President. 1982 – 2007.
- Senior Development Engineer, Aerospace Research Corporation. 1991 – 1995.
- Senior Research Engineer, Engine Division, Caterpillar, Inc. 1988 – 1990.
- Technical Trainee/Junior Engineer, Engine Division, Caterpillar. 1978 – 1988.

Certifications: PE (State of Georgia, State of Indiana, State of Illinois); Master School Board Member; University/Industry Cooperative Education Certificate, Indiana Water Well Driller's License.

Professional Organizations: American Society of Agricultural and Biological Engineers; American Society for Engineering Education; Tau Beta Pi; Alpha Epsilon; Phi Kappa Phi; Gamma Sigma Delta; Phi Eta Sigma; Order of the Engineer; National Dean's List

Honors and Awards

- Listed in Strathmore's Who's Who (1995)
- Wabash Valley Trust Historical Preservation Plaque Recipient–Godman/Stwalley Home (1998)
- Wabash Valley Trust Historical Preservation Plaque Recipient – Sharp Block Condo (2003)

Service Activities Internal:

- College of Agriculture CSRC. 2016-2019
- ABE Academic Affairs Committee. 2014-2019
- ABE Safety Committee. 2013-2019

Service Activities External:

- Three Dimensional Printers in Education: ISBA Annual Conference. Invited Speaker. 2017
- Waste-to-Energy Workshop: Biotown USA. Invited speaker. 2007
- Waste-to-Energy Workshop for Farm, Food Processing, and Wood Industries. Indiana Department of Agriculture. 2006.

Select Publications (past five years):

Cabazon, F.A., Schinckel, A.P., Stwalley, C.S. & Stwalley, R.M., "Heat transfer properties of hog-cooling pad", *Transactions of ASABE* 61 (5), pp 1993-1703, (2018).

- Sparks, R.E. & Stwalley, R.M., “Design and testing a modified hydroponic shipping container system for urban food production”, *International Journal of Applied Agricultural Sciences* 4 #4, pp 93-102, (2018).
- Haselhorst, C.E. & Stwalley, R.M., “Sustainable growth in Haiti: creating meaningful change in the developing world”, *International Journal of Business & Economics Research* 7 #5, pp 144-150, (2018).
- Parois, S.P, Cabezon, F.A., Schinckel, A.P., Johnson, J.S., Stwalley III, R.M., & Marchant-Forde, J.N., “Effect of floor cooling on behavior and heart rate of late lactation sows under acute heat stress”, *Frontiers in Veterinary Science* 5, #223, pp 1-8, (2018).
- Maskal, J., Cabezon, F.A., Schinckel, A.P., Smith, A.J., Marchant-Forde, J.N., Johnson, J.S. & Stwalley, R.M., “Evaluation of floor cooling on lactating sows under mild and moderate heat stress”, *Professional Animal Scientist* 34, pp 84-94, (2018).
- Cabezon, F.A., Schinckel, A.P., Smith, A.J., Marchant-Forde, J.N., Johnson, J.S. & Stwalley, R.M., “Effect of floor cooling on late lactating sows under acute heat stress”, *Livestock Science* 206, pp 113-120, (2017).
- Cabezon, F., Schinckel, A., & Stwalley III, R.M., “Thermal capacity of hog-cooling panel”, *Applied Engineering in Agriculture* 33 #6, pp 891-899, (2017).
- Stwalley, R.M., “Assessing improvement and professional career skills in senior capstone design through course data”, *International Journal of Engineering Pedagogy* 7 #3, pp 130-146, (2017).
- Cabezon, F.A., Schinckel, A.P., Smith, A.J., Marchant-Forde, J.N., Johnson, J.S. & Stwalley, R.M., “Initial evaluation of floor cooling on lactating sows under acute heat stress”, *Professional Animal Scientist* 33 #2, pp 254-260, Editor’s Choice for Best Paper in Issue, (2017).

Presentations

- Houtman, J.A., Sparks, R.E., & Stwalley, R.M., “Design of a Modified Hydroponic Shipping Container”, 2018 ASABE National Conference – Detroit, Michigan, (2018).
- Haselhorst, C.E. & Stwalley, R.M., “Visualization in the Optimization of Engineering Education”, 2018 ASABE National Conference – Detroit, Michigan, (2018).
- Horn, Z. & Stwalley, R.M., “Well-Driver PUP”, 2018 ASABE National Conference – Detroit, Michigan, (2018).
- Field, T., Schinckel, A.P. & Stwalley, R.M., “Development of a Hog-Cooling Panel”, 2018 ASABE National Conference – Detroit, Michigan, (2018).
- Baldwin, G. & Stwalley, R.M., “An Agricultural Extension Demonstration Farm Template & Community Development Project”, 2018 ASABE National Conference – Detroit, Michigan, (2018).
- Smith, R.J. & Stwalley, R.M., “A Scoping Review of Urban Agriculture: Trends, Current Issues, and Future Directions”, 2018 ASABE National Conference – Detroit, Michigan, (2018).
- Smith, R.J., Houtman, J.A. & Stwalley, R.M., “What is Urban Agriculture: Systematic Review of Methods, Contemporary Issues, and Future Research”, 2017 ASABE National Conference – Spokane, Washington, (2017).
- Stwalley III, R.M., “Professional Career Skills in Senior Capstone Design”, ASEE Capstone Design Conference – Columbus, OH (2016).
- Stwalley III, R.M., “Development of an Outcomes-Based Assessment Instrument for Use by Supervisors of Professional Practice Students”, ASEE 2007 Proceedings, (2007).
- Stwalley III, R.M., “Definition, Mission, and Revitalization of Cooperative Education Programs”, ASEE 2006 Proceedings – 2006 Best Paper in Division Award, (2006).