

JOSEPH L. PURSWELL

Curriculum Vitae

OFFICE:

Biosystems and Agricultural Engineering
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EDUCATION

Ph.D. Biosystems and Agricultural Engineering
University of Kentucky
Anticipated graduation: December 2004

Advisor: Dr. R.S. Gates

M.S. Biological and Agricultural Engineering (2002)

Texas A&M University

Advisor: Dr. R.E. Lacey

Thesis: "Engineering Design of a Hypobaric Plant Growth System"

B.S. Agricultural Engineering (1999)

Texas A&M University

EXPERIENCE

Graduate Research Assistant (January 2002 – present)

Biosystems & Agricultural Engineering, University of Kentucky Lexington, KY

Graduate Research & Teaching Assistant (September 1999 – December 2001)

Biological and Agricultural Engineering, Texas A&M University College Station, TX

Undergraduate Research Assistant (June 1995 – August 1999)

Agricultural Engineering, Texas A&M University College Station, TX

Engineering Intern (Summer 1998)

Temple-Inland Forest Products Corp.

Diboll, TX

Solid Wood Operations Division

PAPERS AND PRESENTATIONS

Purswell, J.L., J.D. Davis, A.R. Green, R.S. Gates, L.M. Lawrence, R.J. Coleman.

Measuring ventilation in a horse trailer during transport. Lecture Presentation.

ASAE Annual International Meeting. July 27-31, 2003, Las Vegas, NV. Paper 034091.

- Davis, J.D., E.S. Vanzant, **J.L. Purswell**, A.R. Green, J.R. Bicudo, R.S. Gates, L. Holloway, W.T. Smith. Methods of remote, continuous temperature detection in beef cattle. Lecture Presentation. ASAE Annual International Meeting. July 27-31, 2003, Las Vegas, NV. Paper 034008.
- Green, A.R., **J.L. Purswell**, J.D. Davis, R.S. Gates, L.M. Lawrence, R.J. Coleman, E.F. Wheeler. Methods for assessing horse well-being during transport. Lecture Presentation. ASAE International Meeting. July 27-31, 2003, Las Vegas, NV. Paper 034092.
- Lacey, R.E., **J. Purswell**, D. Brown, R. Spanarkel, M. Drew. 2000. Performance of the low pressure plant growth system at Texas A&M University. 4th International Conference on Life Support and Biospheric Sciences, Baltimore, Maryland, Cognizant Communication Corporation.
- Lacey, R.E., C. He, **J. Purswell**, D. Brown, A. Eddings, M. Drew. 2001. Effects of hypobaric pressure on photosynthesis and stomatal conductance in leaf lettuce. 17th Annual Meeting of American Society for Gravitational and Space Biology, Alexandria, Virginia.

CERTIFICATIONS

Engineer-in-Training, Texas State Board of Professional Engineers.

Passed Fundamentals of Engineering Exam October 1998, College Station, TX.

MEMBERSHIPS AND HONORARIES

American Society of Agricultural Engineers (ASAE)

SE-302 committee: Environment of Animal Structures

American Society of Heating, Refrigeration and Air-conditioning Engineers (ASHRAE)

Alpha Epsilon, Agricultural and Biological Engineering Honorary