

Steven Kent Mickelson

Associate Chair, Agricultural & Biosystems Engineering
118 Industrial Education II, Iowa State University, Ames, Iowa 50011

Education

<u>Degree</u>	<u>Institution</u>	<u>Major Field of Study</u>	<u>Dates of Degrees</u>
Ph.D.	Iowa State University	Agricultural Engineering	12/1991
M.S.	Iowa State University	Agricultural Engineering	5/1984
B.S.	Iowa State University	Agricultural Engineering	5/1982

Professional Experience

<u>Dates of Employment</u>	<u>Employer</u>	<u>Position</u>	<u>Nature of Position</u>	<u>Location</u>
2006-Present	Iowa State Univ.	Associate Chair	Administration	Ames, IA
1998-Present	Iowa State Univ.	Associate Prof.	Teaching/Research	Ames, IA
1984-1992, 1993-1998	Iowa State Univ.	Assistant Prof.	Teaching/Research	Ames, IA
1982-1984	Iowa State Univ.	Adjunct Instructor	Teaching/Advising	Ames, IA
1984	Sundstrand	Systems Engineer	CAD/Programming	Ames, IA

Honors and Awards

ISU Champion Award for Exemplary Contributions to ISU Learning Communities (2005)
ISU Foundation Award for Excellence in Academic Advising (2005)
Best Paper Award BAE Division of ASEE (2005)
Jack Everly Journal Award, North American Colleges and Teachers of Agriculture, Best Published Paper (2005)
Chair, Biological and Agricultural Engineering Division of ASEE (2005)
Engineers' Week Outstanding Professor (2004)
Superior Advisor Award, College of Engineering (2004)
Best Paper Award, BAE Division of ASEE (2003)
Midwest Association of Colleges and Employers - John D. Shingleton Award - (2003)
Secretary, BAE Division of ASEE (2002)
Best Session: Presenter, ASEE Conference for Industry and Education Collaboration (2002)
Wakonse Fellow (2002)
Outstanding Faculty Member – ISU Greek Community (2002)
Engineers Week - Professor of the Semester (2002)
VEISHEA Outstanding Faculty of the Year (2002)
VEISHEA Outstanding Engineering Professor (2002)
Engineering Student Council Leadership Award (2002)
Superior Engineering Teacher Award (2001)
Outstanding Innovations Award, Learning Community Institute (2004, 2001)

Relevant Publications

Brumm, T.J., S.K. Mickelson and P.N. White. Integrating behavioral-based interviewing Into the curricula. *National Association of College Teachers in Agriculture (NACTA) Journal* (accepted for publication August 19, 2005)

Brumm, T.J., L.F. Hanneman and **S.K. Mickelson**. Assessing and developing program outcomes through workplace competencies. *Int. J. Engng Ed.* (accepted for publication July 6, 2005).

Brumm, T.J., S.K. Mickelson, B.L. Steward and A.L. Kaleita-Forbes. Competency-based outcomes assessment for agricultural engineering programs. *Int. J. Engng Ed.* (accepted for publication April 26, 2005).

Harms, P.C., **S.K. Mickelson** and **T.J. Brumm.** Longitudinal study of learning communities in agricultural and biosystems engineering. *Int. J. Engng Ed.* (accepted for publication April 26, 2005).

Mickelson, S.K. and T.J. Brumm, 2005. Measuring the success of learning communities. *Proceedings of the Annual Meeting of the American Society for Engineering Education*, Portland, OR (June 2005). Best Paper Award.

Steward, Brian L., **S.K. Mickelson** and T.J. Brumm, 2004. Formative and Summative Assessment Techniques for Continuous Agricultural Technology Classroom Improvement, *NACTA Journal* 48(2): 33-41.

Hanneman, L.R., **Steven K. Mickelson**, Loni K. Pringnitz, and Michael Lehman. 2002. Constituent-Created, Competency-Based, ABET-Aligned Assessment Tools for the Engineering Experiential Education Workplace. Proceeding of The 2nd National Conference on Outcomes Assessment for Program Improvement, October 31 - November 1, 2002, Pittsburgh, PA.

Harms, Patricia C., **Mickelson, Steven K.**, & Brumm, Thomas J. 2002. Longitudinal Study of Learning Communities in Agricultural and Biosystems Engineering. *Proceedings of the American Society for Engineering Education*, Montreal, Quebec, Canada (June 2002)

Harms, P.C., S.K. Mickelson, & T.J. Brumm. (2001). Using learning community course links to bring meaning to the first-year engineering curriculum. *Proceedings of the American Society for Engineering Education*, Albuquerque, New Mexico (June 2001)

Harms, P.C., S.K. Mickelson, & T.J. Brumm. (2001). Using a first-year learning community to help meet departmental program objectives in Agricultural and Biosystems Engineering. *Proceedings of the American Society for Engineering Education*, Albuquerque, New Mexico (June 2001)

Mickelson, S.K., P.C. Harms, & T.J. Brumm. (2001). Building community for first- and second-year students in the Agricultural and Biosystems Engineering Department at Iowa State University. *Proceedings of the American Society for Engineering Education*, Albuquerque, New Mexico (June 2001)

Collaborators (within last 48 months)

Amy Kalieta, Ardith Maney, Steven Freeman, Patricia C. Harms, Thomas J. Brumm, Carl J. Bern, Richard Freeman, Tom Richard, Jim Russell, Richard Schultz, John Kovar, Mark Honeyman, Kent Berns, Larry Hanneman, Anthony Ellertson, Brian Steward

Graduate and Postdoctoral Advisors

James L. Baker, T. Al Austin, Donald C. Erbach, Stewart W. Melvin, Robert Horton, John Laflen

Graduate and Postdoctoral Scholars Advised

Kapil Arora, Maria Ambert-Sanchez, Thad Hardeman, Steve Anton, Imran Syed Ahmed, David Webber, Manveen Bansal, Phillip Gassman