



Faculty Name:	Eric Risch	Work Address:	P.O. Box 519; MS 1060 Prairie View, TX 77446
Position Title:	Research Scientist		
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Education:	Degree and Area of Study	Institution Name	Degree Date
	Ph.D. (Agricultural Engineering)	The Ohio State University	March 1982
	M.S. (Bio-Resource Engineering)	University of British Columbia	September 1977
	B.S. (Agricultural Engineering)	University of Guelph	May 1974
Teaching Experience	Position Title	Institution Name	Position Dates (Beginning and End)
	Asst. Professor	Prairie View A&M University	March '82 – May '88
	Research Scientist	Prairie View A&M University	August '88 - Present

Professional Publications:	Dzakuma, J.M. and E. Risch , 2002. Feed Intake and Efficiency Measurements in Goats. J. Anim. Sci. 80 (Suppl. 1)/J. Dairy Sci. Vol. 85, Suppl. 1. (192).
	Risch, E. Precision Agriculture: Advances in GPS/GIS as applied in agriculture. Conference Proceedings of 2010 Sino-US Workshop on Intelligent Equipment for PA and RS & Measurement for agriculture. College Station, Texas, USA, December 2 - 9, 2010.
	Risch, E., A.S. Hubbard. Effect of Sample Geometry on the Rheological Properties of Goat Milk Cheese. - Association of Research Directors Symposium. April 9 - April 13, 2011. Atlanta, GA.
	Risch, E, A.S. Hubbard. 2013. Rheological Behavior of Select Goat and Cow Dairy Products. ARD Biennial Symposium at Jacksonville, Florida, April 2013.
	Yonghui Wang, Suxia Cui, Eric Risch , Yubin Lan, Jian-ao Lian, and Kevin Lee. 2014. Enhance Multi-Disciplinary Experience for Agriculture and Engineering Students with Agriculture Robotics Project. Proc. 2014 ASEE Gulf-Southwest Conference
	Suxia Cui, Yonghui Wang, Eric Risch , and Dontrey Bourgeois 2014. Educational Project on Decision Support System for Precision Agriculture. Proc. 2014 ASEE Gulf-Southwest Conference

Additional Trainings/Skills:	<p>Relationship with research–user groups in my area of expertise I am currently serving as the <i>Interim Program Leader</i> for the CAHS-CARC Natural Resource and Environmental Sciences Program. My duties include, but not limited to, organizing the group (about 6 research scientists and a post-doctoral fellow), setting agenda (including vision, mission, and goals) for short-term, intermediate-term and long-term research goals for the group.</p> <p>Other activities that have contributed to accomplishing CAHS Research goals, such as helping to improve the visibility of units and programs, participating in interdisciplinary research, or improving the effectiveness of the CAHS' unit.</p>
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	<p>During the Spring Semester 2014, I taught teaching three (3) classes at PVAMU. Two of these are in the College of Agriculture and Human Sciences. One of these classes (CONS3633: Surveying and Soils) is in the School of Architecture at PVAMU. The School of Architecture does not currently have any faculty with the experience and preparation to teach that course. My duties in that college help improve the visibility of CARC at PVAMU. It demonstrates that we at CARC do have professionals with skills and expertise that cut across disciplines at a major university. I also collaborate with faculty and scientists in the College of Engineering at PVAMU (Drs. Cui, Lian Jian-ao, Yubin Lan, and Yonghui Wang). These collaborative linkages further enhance the visibility of CARC at the university.</p>
	<p>Select Grants Funded:</p> <ul style="list-style-type: none"> (a) Decision Support System for Meat Goat Production -- I, USDA -- Capacity Building Grants Program. 1993-1996. Status: Funded for \$286,000. (b) Computer Modeling of a Comprehensive Meat Goat Enterprise System. Competitive Grant Program 1996-1999 Status: Funded for \$151,000 (c) Decision Support System for Meat Goat Production -- II, USDA -- Capacity Building Grants Program. 1997-2000. Status: Funded for \$270,000. (d) Advanced Networks: Advancing Agricultural Science via the Information Superhighway - Phase Two. USDA Capacity Building Grants Program. 1999 – 2001. Status: Funded for \$200,000. (e) Establishment of a Bio-Environmental Geographic Information System (Bio-EGIS) at PVAMU. USDA Capacity Building Grants Program. 2001 - 2003. Status: Funded for \$123,000. (f) Establishment of a Bio-Environmental Geographic Information System (Bio-EGIS) at PVAMU. - Phase II. USDA Capacity Building Grants Program. 2003 - 2006. Status: Funded for \$198,645. (g) Goat Conference at PVAMU. Oct 2002. USDA Partners Program. Co-Pi with Jackson M. Dzakuma and Barbara Johnson. Status: Funded for \$12,500. (h) Building Capacity in Food Science Studies at PVAMU. CBG Proposal. 2006 – 2011. Status: Funded for \$299,691. (i) Establishment of an Agricultural Robotics Lab at Prairie View A&M University. CBG Award No. 2010-02244. Amount Funded: \$276,299: 09/01/2010 - 08/31/2013. Co-Pi with Lian Jian-ao, Yubin Lan and Yonghui Wang. (j) Establishing an Educational Lab at PVAMU for Precision Agriculture. CBG Award No. 2012-38821-20016. Amount Funded: \$270,399: 09/01/2013 - 08/31/2016. Co-PI with Suxia Cui, Lian Jian-ao and Yonghui Wang.
	<p>Recent Unfunded Proposals submitted:</p> <ul style="list-style-type: none"> (a) Technologies and Enhanced Techniques for Producing Value-Added Caprine Products 1890 C CBG Proposal: Requested Amount: \$300,000 – 2013 - 2016 PD: Risch, Eric; Co-PD's: McWhinney, Velva, Attaie, Rahmat, Mora, Adela-Gutierrez, Woldesenbet, Selamawit, Jung, Yoonsung, White, Jacquelyn (b) Effects of Animal Diet Supplementation on Value-Added Caprine Meat and Milk Products (2015-2018) 1890 CBG Proposal: Requested Amount: \$296,360 2015 - 2018 PD: Attaie, Rahmat; Co-PD's: Risch, Eric, Mora, Adela-Gutierrez, Woldesenbet, Selamawit, Jung, Yoonsung, Daley, Milton, White, Jacquelyn