

Education

Ph.D., 1987, Agricultural Engineering, Cornell University, Ithaca, New York.
M.S., 1983, Agricultural Engineering, University of Wisconsin-Madison.
B.S., 1980, Agricultural Engineering, University of Wisconsin-Madison.

Academic Appointments

University of Wisconsin-Madison

Department of Biological Systems Engineering:

2013-present, Professor and Chair, 2001 – 2013, Professor, 1995-2001, Associate Professor, 1990-1995, Assistant Professor Machine Milking and Rural Energy Issues Research and Instruction
Institute for Environmental Studies, Governance Faculty, 1998 – 2005
Energy Analysis and Policy Program, Chair 1998 – 2005, Member 1998-present
Land Resources Affiliate Faculty with graduate instruction privileges

Department of Dairy Science

2001 – Present, Affiliate Professor with graduate instruction privileges

UW AgroEcology Program

2007-Present, Affiliate Professor with graduate instruction privileges

Courses Taught

BSE 367: Renewable Energy Systems – cross listed with Institute for Environmental Studies 367
Agro-Ecology 875: Integral Ecology: Uniting Multiple Perspectives on the Natural World
BSE 875: Advanced Life Cycle Analysis Methods
BSE 875: Milking Machines;

Recent Reviewed Journal Publications (47 Total)

- Aguirre-Villegas, HA, R Larson, DJ Reinemann, 2014. From waste-to-worth: energy, emissions, and nutrient implications of manure processing pathways. *Biofuels, Bioproducts and Bio-refining*, published on-line 12 May 2014.
- Buchanan, JH, and DJ Reinemann, 2013. Critical Realist Integral Methodological Pluralism for Interdisciplinary Research in Agro-ecology. *Journal of Integral Theory and Practice*, 8(3&4)317-325.
- Kraatz, S, JC Sinistore, and DJ Reinemann, DJ, 2013. Energy intensity and global warming potential of corn grain ethanol production in Wisconsin (USA). *Food and Energy Security*, June 2013.
- Reinemann DJ, 2012. Stray Voltage and Milk Quality: A Review. *Veterinary Clinics of North America, Food Animal Practice: Mastitis in Dairy Cows*, 28(2)321-345, P.L Ruegg, editor. Elsevier Inc.
- Aguirre-Villegas HA, FX Milani, S Kraatz, DJ Reinemann, 2012. Life Cycle Impact Assessment and Allocation Methods Development for Cheese and Whey Processing. *Transactions of the ASABE* 55(2)1-15.
- Pantoja, JCF, GJM Rosa, DJ Reinemann, and PL Ruegg, 2012. Sampling Strategies for Total Bacterial Count of Unpasteurized Bulk Milk. *Journal of Dairy Science*, 95(5)2326-2247.
- Pantoja, JCF, DJ Reinemann and PL Ruegg, 2011. Factors associated with coliform count in unpasteurized bulk milk. *Journal of Dairy Science* 94(6)2680-2691.
- Kaufman AS, PJ Meier, JC Sinistore, DJ Reinemann, 2010. Applying life-cycle assessment to low carbon fuel standards—How allocation choices influence carbon intensity for renewable transportation fuels. *Energy Policy* 38(2010)5229–5241.
- Kraatz, S, DJ Reinemann, WE Berg, 2009. Energy Inputs for Corn Production in Wisconsin and Germany. *Applied Engineering in Agriculture*, 25(5)653-662

Recent Technical Papers, Reports and Conference Proceedings (195 total)

195. Reinemann, DJ and C Kamphuis, 2013. Managing Milk Quality in Automatic Milking Systems. Proceedings of the 2013 Precision Dairy Conference, Rochester, Minnesota
194. Barford, C, Reinemann, DJ, Gollnik, R and Narayana, A, 2013. Farm-Based Bioenergy Infrastructure for Wisconsin: Too Big, Too Little or Just Right? Report to the Public Service Commission of Wisconsin & the Statewide Energy Efficiency and Renewables Administration, Focus on Energy program, August 2013.
193. Mein, GA, DJ Reinemann, and PD Thompson, 2013. Understanding the Milking Machine: The Contribution Of Cyclic Liner Compression To Effective Pulsation. Proceedings of the Annual meeting of the National Mastitis Council.
192. Reinemann, DJ, AMA Gomez, PE Thompson and I Ohnstad, 2013. Exploring the Role Of Liner Dimension, Shape, And Venting On Milking Performance. Proceedings of the Annual meeting of the National Mastitis Council.
191. Reinemann, DJ, 2012. The Smart Position on Stray Voltage. Paper Presented at the annual meeting of the New Zealand Milking Machine and pump testing organization, Hamilton, New Zealand. June 2012.
190. Reinemann, DJ, 2012. The Smart Position on Teat Condition. Proceedings of the New Zealand Milk Quality Conference, 18-19 June 2012, Hamilton New Zealand, published by the New Zealand Veterinary Association. pp 7.14.1 – 7.14.8.
189. Sinistore, J.C., and Reinemann, D.J. 2011. Beyond political boundaries: Ecological system boundary exploration of biomass production LCA for ethanol. Proceedings of the ACLCA LCA XI Conference. American Center for Life Cycle Assessment. In Press. Chicago, IL.
188. Aguirre-Villegas H, S Kraatz , F Milani, A Newenhouse, TH Passos-Fonseca and DJ Reinemann 2011. Understanding the Carbon Footprint of Cheese: Sustainable Cheese Production. Poster Presented at the UW Cooperative Extension ANRE Program Area Annual Meeting, October 26-28, Wisconsin Dells, WI.
187. Aguirre-Villegas, HA, S Kraatz, FX Milani, TH Passos-Fonseca, and DJ Reinemann, 2011. GHG Emissions and Energy Intensity of Cheese Manufacturing in Wisconsin. ASABE Paper No. 110984
186. Passos-Fonseca, TH, S Kraatz, HA Aguirre-Villegas, L Armentano, and DJ Reinemann, 2011. Variability and Uncertainty Analysis on a Life Cycle Assessment Case-study of Combined Dairy and Bio-fuels Production in Wisconsin. Paper No. 111499, presented at the 2011 ASABE Annual International Meeting.
185. Kraatz, S, DJ Reinemann, and JC Sinistore, 2011. Methods for Solving the Multifunctionality Problem in the Life Cycle Assessment of Ethanol Production from Corn Grain. Paper No. 1110828, presented at the 2011 ASABE Annual International Meeting.
184. Passos-Fonseca, TH, HA Aguirre-Villegas, S Kraatz, and DJ Reinemann, 2011. Effects of feeding wet distillers grains and of different manure handling practices on GHG emissions and energy intensity of dairy production. Poster presented at the 2011 Annual Meeting of the Institute of Biological Engineers
183. Pantoja, JCF, ACO Rodrigues, C Hulland, DJ Reinemann, and PL Ruegg, 2011. Investigating Contamination of Bulk Tank Milk with *Listeria monocytogenes* on a Dairy Farm. Poster Presented at the annual meeting of the ADSA.
182. Reinemann, DJ and GA Mein, 2011. Unraveling the mysteries of liner compression. Proceedings of the Countdown Symposium 2011: Tackling *Strep uberis*. 8 June 2011, Melbourne, Victoria, AU
181. Reinemann, DJ, 2011. Troubleshooting High Bacteria Counts in Bulk Milk: What needs cleaning, the machine or the cows? Proceedings of the Countdown Symposium 2011: Tackling *Strep uberis*. 8 June 2011, Melbourne, Victoria, AU
179. Reinemann, DJ, 2011. The NMC Top Ten Contributions to Machine Milking: The first 50 Years. Proc. NMC 49th Annual Meeting, Arlington, VA, January 2011
178. Gomez, SA, DJ Reinemann, PD Thompson 2011, Predicting Liner Performance. Proc. NMC 49th Annual Meeting, Arlington, VA, January 2011