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PhD 2018, University of Nebraska-Lincoln
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Recent Papers

Z Liu, S Dhamankar, JT Evans, CM Allen, C Jiang, GM Shaver, A Etienne, TJ Vyn, CM Puryk, BM McDonald. 2022. Development and experimental validation of a system for agricultural grain unloading-on-the-go. *Computers and Electronics in Agriculture* 198, 107005.

Z Liu, C Jiang, JT Evans, S Dhamankar, LJ Heusinger, GM Shaver, CM Puryk. 2022. A computationally efficient model for granular material piling in a container. *Computers and Electronics in Agriculture* 194, 106692.

A Ault, S Palacios, J Evans. 2022. Agriculture data sharing: Conceptual tools in the technical toolbox and implementation in the Open Ag Data Alliance framework. *Agronomy Journal*, 14.2681-2692.

Z Liu, S Dhamankar, JT Evans, CM Allen, C Jiang, GM Shaver, A Etienne, TJ Vyn, CM Puryk, BM McDonald. 2022. Automation of Agricultural Grain Unloading-on-the-go. *IFAC-PapersOnLine* 55 (24), 248-253.

C Jiang, S Dhamankar, Z Liu, G Vinod, G Shaver, J Evans, C Puryk, E Anderson D DeLaurentis. 2022. Co-simulation of the Unreal Engine and MATLAB/Simulink for Automated Grain Offloading. *IFAC-PapersOnLine* 55 (24), 379-384.

CA Shearer, JD Luck, JT Evans, JP Fulton, A Sharda. 2021. Pesticide application coverage training (PACT) tool: development and evaluation of a sprayer performance diagnostic tool. *Precision Agriculture* 22 (3), 852-872.

S Chaterji, N DeLay, J Evans, N Mosier, B Engel, D Buckmaster, MR Ladisch, R Chandra. 2021. Lattice: A Vision for Machine Learning, Data Engineering, and Policy Considerations for Digital Agriculture at Scale. *IEEE Open Journal of the Computer Society* 2, 227-240.

JT Evans IV, SK Pitla, JD Luck, M Kocher. 2020. Row crop grain harvester path optimization in headland

patterns. *Computers and electronics in agriculture* 171, 105295.

JT Evans, MP Sama, JL Taraba, GB Day. 2017. Automated calibration of electrochemical oxygen sensors for use in compost bedded pack barns. *Transactions of the ASABE* 60 (3), 957-962.

MP Sama, JT Evans, AP Turner, SS Dasika. 2016. As-applied estimation of volumetric flow rate from a single sprayer nozzle series using water-sensitive spray cards. *Trans. of the ASABE* 59 (3), 861-869.

Recent Patents

CM Puryk, SR Corban, RR White, GM Shaver, SV Dhamankar, JT Evans, Z Liu, C Jiang. 2021. Vehicle automated unloading. US Patent App. 17/114,971.