

Refereed Papers

- **Karkee, M.**, B. L. Steward, L. Tang, and S. Abd Aziz. 2008. Quantifying Sub-pixel Signature of Paddy Rice Field Using Neural Network. *Computers and Electronics in Agriculture*. **In Press**.
- **Karkee, M.**, B. L. Steward, and S. Abd Aziz. 2008. Improving Quality of Digital Elevation Models through Data Fusion. *Biosystems Engineering*. **In Press**.

Referred Papers in Progress

- Abd Aziz, S., B. L. Steward, L. Tang, and **M. Karkee**. **In Review**. Utilizing Repeated GPS Measurement from Field Operations for Development of Agricultural Field DEM. *Transactions of the ASABE*.
- **Karkee, M.**, and B. L. Steward. Study of the Open and Closed Loop Characteristics of a Tractor and a Towed Implement Yaw Dynamics Model. **In internal review**. To be submitted to *Journal of Terramechanics*.

Refereed Conference Proceedings (*presenter)

- Aziz*, S. A., B. L. Steward, L. Tang, and **M. Karkee**. 2006. Multiple GPS Measurements for Digital Elevation Model. Proc. of the 4th World Congress on Computers in Agriculture and Natural Resources. *ASABE Paper No. 701P0606*. St. Joseph, Mich.: ASABE.
- Aziz*, S. A., B. L. Steward, L. Tang, and **M. Karkee**. 2006. Multiple GPS Measurements for Digital Elevation Model. Proceedings of the 8th Int'l. Conf. on Precision Agriculture, Eds. R. H. Rust and W. E. Larson, Madison WI: ASA- CSSA-SSSA.

Professional Society Conference Papers (*presenter)

- **Karkee***, **M.**, B. L. Steward. 2008. Open and Closed Loop System Characteristics of a Tractor and an Implement Dynamic Model. *ASABE Paper No. 084761*. St. Joseph, Mich.: ASABE.
- **Karkee***, **M.**, B. L. Steward, and S. A. Aziz. 2007. Distributed Virtual Reality Assisted Steering Controller Design for Off-road Vehicle and Implement Tracking. *ASABE Paper No. 073006*. St. Joseph, Mich.: ASABE.
- Aziz*, S.A., B. L. Steward, S. Han, **M. Karkee**. 2007. Development of Agricultural Field DEM Using Repeated GPS Field Measurements. *ASABE Paper No. 071089*. St. Joseph, Mich.: ASABE.
- **Karkee***, **M.**, B. L. Steward, and L. Tang. 2006. Neural Approach of Sub-pixel Rice Landuse Classification for Optimized Irrigation Scheduling. *ASABE Paper No. 062124*. St. Joseph, Mich.: ASABE.
- **Karkee***, **M.**, M. Kusanagi, and B. L. Steward. 2006. Fusion of Optical and InSAR DEMs: Improving the Quality of Free Data. *ASABE Paper No. 061172*. St. Joseph, Mich.: ASABE.

Abstracts and Posters

- **Karkee, M.** 2008. Virtual Reality Visualization of Water Quality Mixing Models. Emerging Technologies Conference. Apr 4-6, 2008, Iowa State University, Ames, IA.
- **Karkee, M.,** S. Oldenburger, X. Huang. 2007. Gesture based 3-D Object Manipulation. Emerging Technologies Conference. Apr 24-27, 2007, Iowa State University, Ames, IA.