## **Publications**

Peer-Reviewed Deploying Temporary Networks for Upscaling of Sparse Network Stations - Coopersmith, Cosh, Bell, Kelly, Hall, Palecki, and Temimi. Int'l Journal of Applied Earth Obs. and Geoinformation. July, 2016. doi: 10.1016/j.jag.2016.07.013.

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Patterns of Regional Climate Change: An Analysis of Changing Hydrologic Regimes Coopersmith, Minsker, and Sivapalan. Water Resources Research. March, 2014. doi: 10.1002/2012WR013320 (\*\*Featured Paper\*\*)

Exploring the Physical Controls of Regional Patterns of Flow Duration Curves: Part 1- Insights from Statistical Analyses - Cheng, Yaeger, Viglione, Coopersmith, Ye, and Sivapalan. Hydrology & Earth System Sciences. November, 2012, doi:10.5194/hess-16-4435-2012

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Understanding and Forecasting Hypoxia Using Machine Learning Algorithms – *Coopersmith*, *Minsker, and Montagna*, Journal of Hydroinformatics. 2011. doi:10.2166/hydro.2010.015

## **Publications In-Progress**

"Lifting" *In Situ* Soil Moisture Measurements with Machine Learning: A Multi-Depth Analysis of USCRN profiles and an Application for AMSR-E Satellite Validation with ECONet Sensors – *Coopermsith*, Cosh, Bell, and, Boyles

Understanding Temporal Stability: A Long-Term Analysis of ARS Watersheds in the 21<sup>st</sup> Century – *Coopersmith*, Cosh, and Jacobs.

Estimating Point-Estimates of Gravimetric Soil Moisture with Machine Learning, Part I: An analysis during SMEX04 and SMAPVEX15 – Coopersmith, Cosh, and Jacobs

Estimating Point-Estimates of Gravimetric Soil Moisture with Machine Learning, Part II: How "close" must in situ sensors be? An analysis during SMEX04 and SMAPVEX15 – Coopersmith, Cosh, and Jacobs