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## **Publications In-Progress**

Comparison of *In Situ* Soil Moisture Measurements: An Examination of the Progress Neutron and Dielectric Measurements within the Illinois Climate Network – *Coopersmith*, *Cosh*, and *Jacobs*.

**Deploying Temporary Networks for Upscaling of Sparse Network Stations** – *Coopersmith*, *Bell, Cosh, and Kelly*.

"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