

Reimagining the AWS -- lessons from astronomy in Antarctica
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Recent developments in remote sensing technologies have enabled significant advances in the capabilities of autonomous sensing systems, while simultaneously reducing both their size and weight. This talk will discuss these developments in the context of the deployment of an astronomical observatory to the isolated summit of the Antarctic plateau and will present the distillation of a subset of the experiment into a small, very low-cost, field-deployable package, which has the potential to improve Antarctic logistical effectiveness and provide a ground-truth assessment of weather predictions and modeling with excellent cost scalability.