

Direct Mission Connections

SAND2018-10336PE

- **Remote Sensing**

- **R&D:**
 - Find a few satellite pictures sufficient to cover the region of interest.
 - General capability for realistic image and region shapes.
- **Mission Impact:** Efficient use of scarce sensing resources. Flexibility to mix different satellite types and shapes. Couples with scheduling and resource constraints. Support multiple priorities. Adapt to changing priorities, assess consequences of pre-empting missions. Increase automation and reliability.
- **Customer:** Org 5523. Tasking, Planning and Mission Management
- **Publication:** *Footprint Placement for Mosaic Imaging by Sampling and Optimization*
Scott A. Mitchell, Christopher G. Valicka, Stephen Rowe, and Simon X. Zou
The 28th International Conference on Automated Planning and Scheduling, 2018

