

**Space Science Seminar**  
**Tuesday, 2018 November 13**  
**10:30 a.m.**  
**NSSTC/2096**

**Sensors and Communications for Heliophysics  
and Planetary Science**

Samuel Reid / CEO, Geometric Energy Corporation (GEC)

Host: Mitzi Adams (Sponsored by ST13)

Samuel Reid will provide an overview presentation of basic research, device design, and project-partnership opportunities for NASA/MSFC from Geometric Energy Corporation (GEC) based in Calgary, Alberta, Canada. GEC has advanced research projects focusing on sensor integration and deployment logistics for software and hardware in satellites for heliophysical science and planetary science. GEC is also focusing on Arctic and Antarctic climate monitoring for glaciology applications with in-situ measurements provided to SATCOM relays implementing the post-quantum-secure IOTA protocol for IoT-sensor networks, and remote sensing capabilities with vector magnetographs.

<https://solarscience.msfc.nasa.gov/colloquia/>