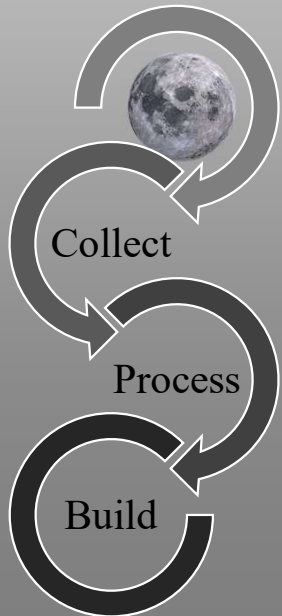


Thermal Testing and Simulation of Lunar and Martian ISRU-Based Materials

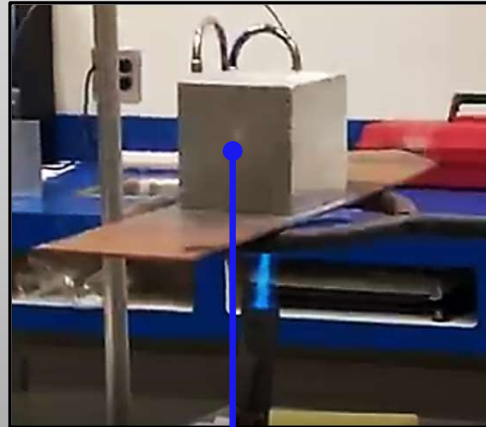
Human settlement on the moon or Mars requires landing pads and other infrastructure to be built using ISRU. We must first characterize the performance of ISRU-based materials such as lunar and Martian concrete in relevant conditions.

In-Situ Resource Utilization (ISRU)

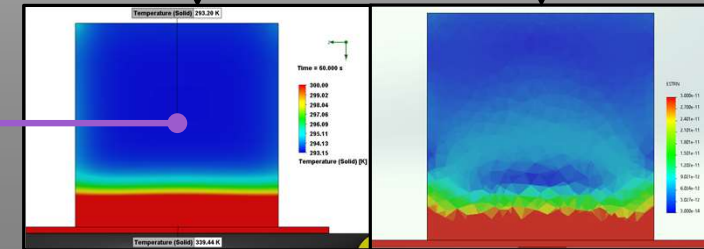
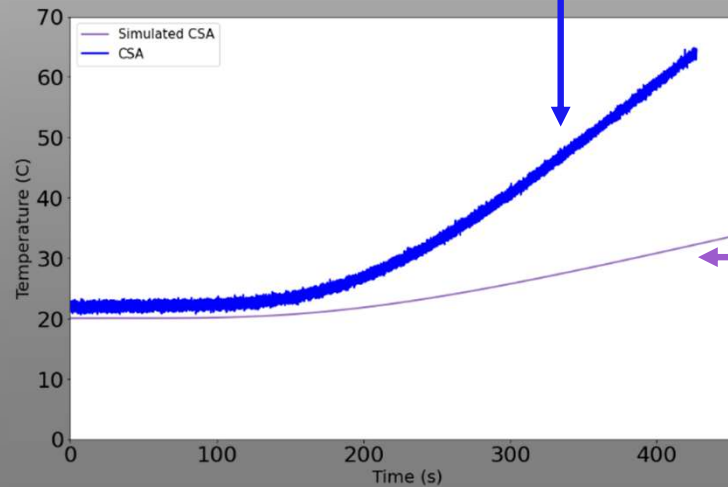
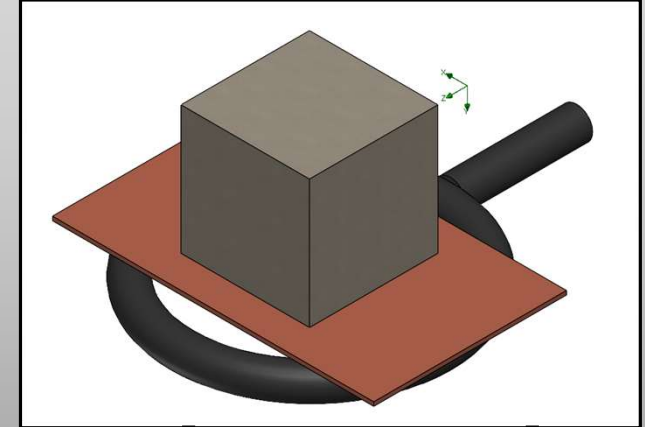


Analyze Compare Characterize

Physical Experiment



Simulated Experiment



CFD: Temperature

FEA: Strain