



Mind over Matter.

Sustaining the vision since 1969.



Space **exploration** requires both the development of new **advanced technologies** for power and propulsion generation, and the **fabrication of materials** that can withstand extreme operating temperatures while adhering to strict

weight limitations. From **nano-sensors** to **radioisotope materials**, USRA scientists and engineers are leveraging their collective **chemistry and physics expertise** to address the challenges of long-duration air and space travel.

MATERIALS SCIENCE

WHO ARE WE?

USRA is an independent, nonprofit research corporation where the combined efforts of in-house talent and university-based expertise merge to advance space science and technology. USRA works across disciplines including **biomedicine**, **astrophysics**, and **engineering** and integrates those competencies into applications ranging from **fundamental research** to **facility management** and **operations**. USRA engages the creativity and authoritative expertise of the research community to develop and deliver sophisticated, **forward-looking solutions** to Federal agencies and other customers - on schedule and within budget.

