Introduction Slide: Alex Introduce : NASA is investing 500k a piece into several new, cheaper, and optimized devices geared towards the exploration and colonization of the harsh environment known as space.

EXPLORATORY TECHNOLOGIES

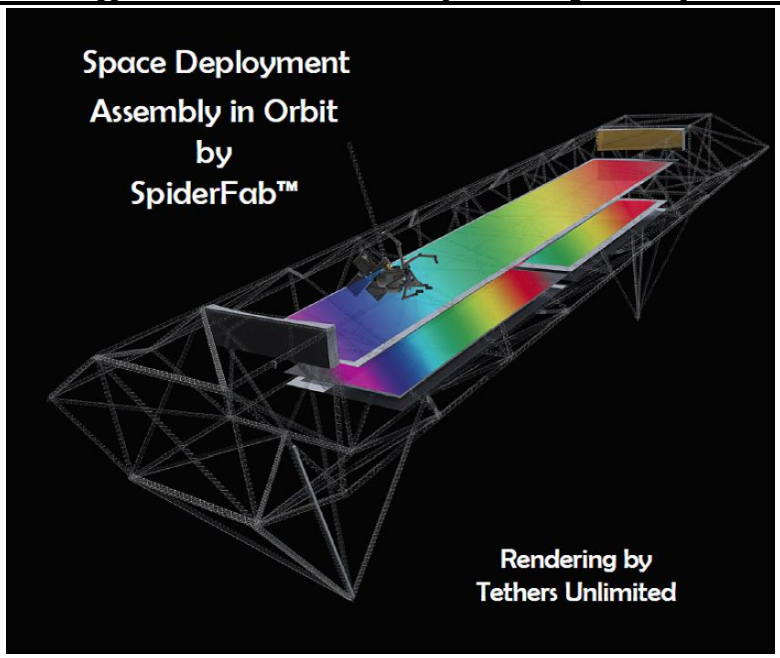
FIND RESOURCES / FIND NEW HOME PLANET / SUPPLEMENTARY TECH. / MEASURE FROM DIFFERENT PERSPECTIVES

SLIDE^

Alex Sentence: With these optimized, cheaper, and new exploratory devices at hand, humankind will be able to take many more measurements from hordes of new perspectives, find new resources from other planets, and maybe even a whole new home planet # 2.

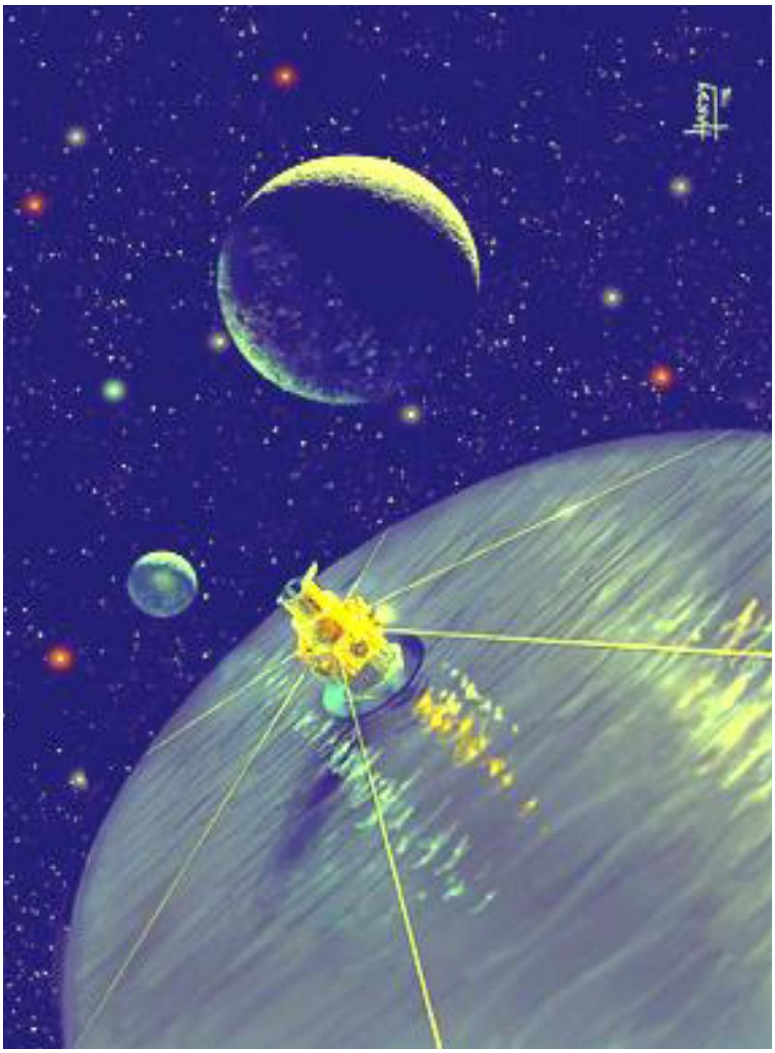
Bioinspired Ray for Extreme Environments and Zonal Exploration (BREEZE)

The High Étendue Multiple Object Spectrographic Telescope (THE MOST)

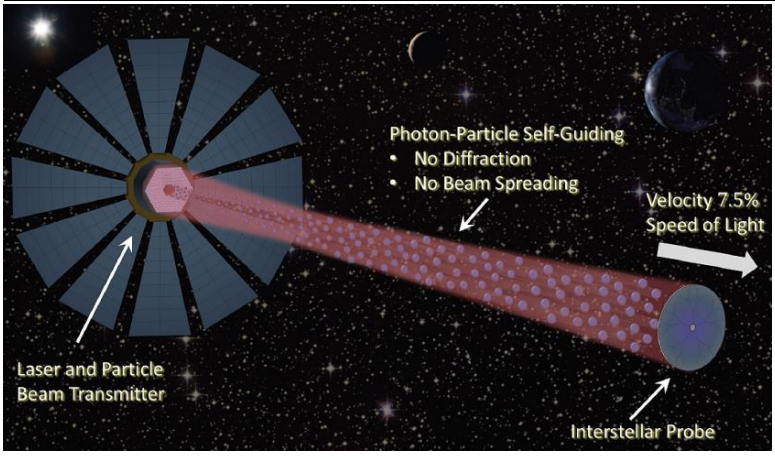


Swarm-Probe Enabled ATEG Reactor (SPEAR) Probe

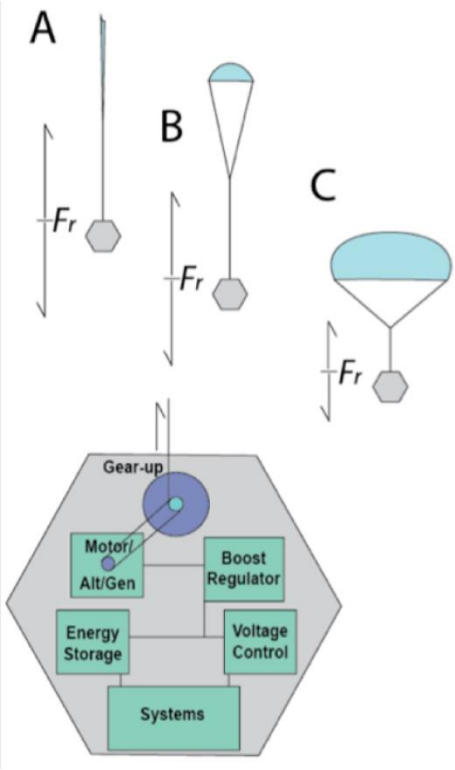
Power for Interstellar Fly-by



Self-Guided Beamed Propulsion for Breakthrough Interstellar Missions



Ripcord Innovative Power System (RIPS)



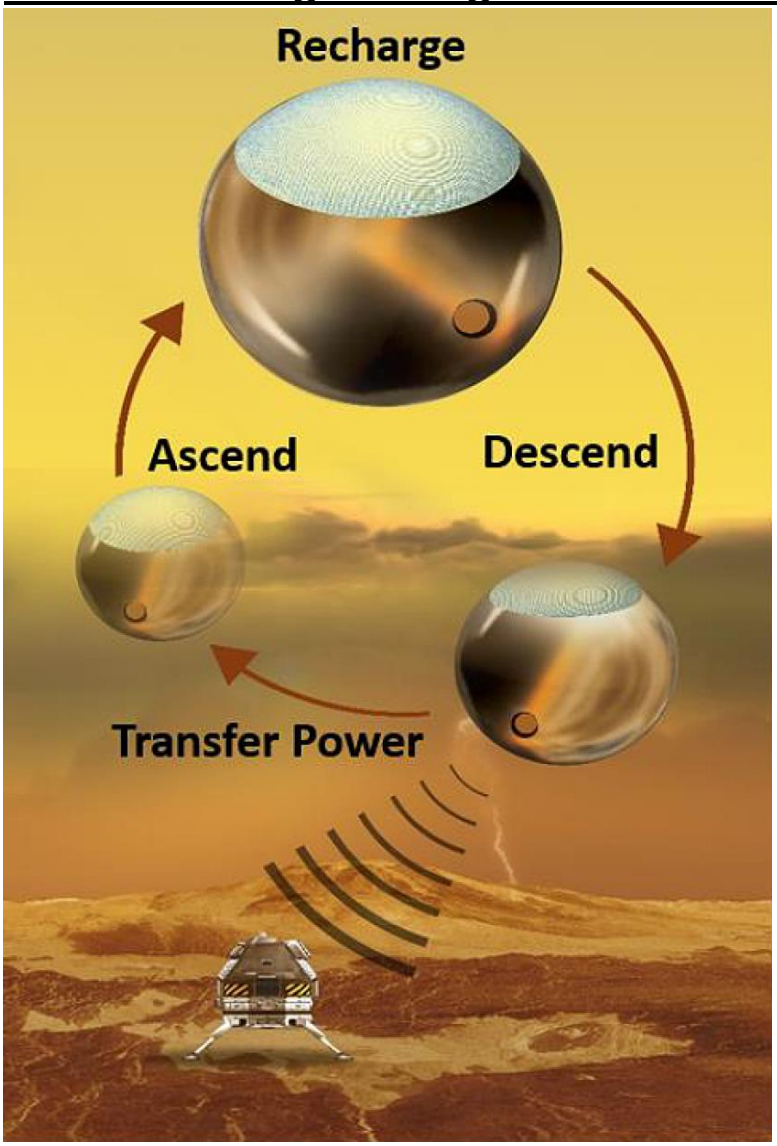
COLONIZATION TECHNOLOGIES

PROVIDES ENERGY / ADVANCED PPE / COLLECTING RESOURCES / PROTECTING A CIVILIZATION

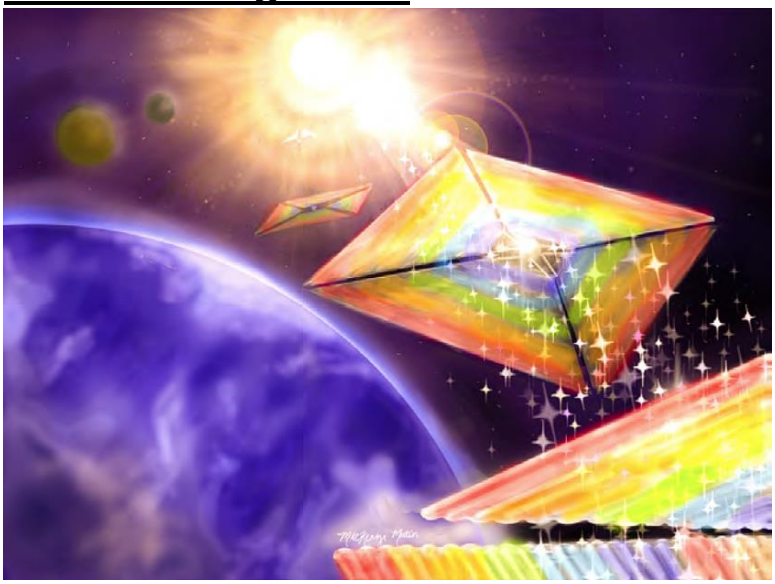
Slide^

Alex Sentence: Space is an unforgiving place to live, but the new colonization technologies make it possible to provide energy across great distances, offer advanced PPEs, collect resources, and ultimately create opportunities to colonize an interstellar area.

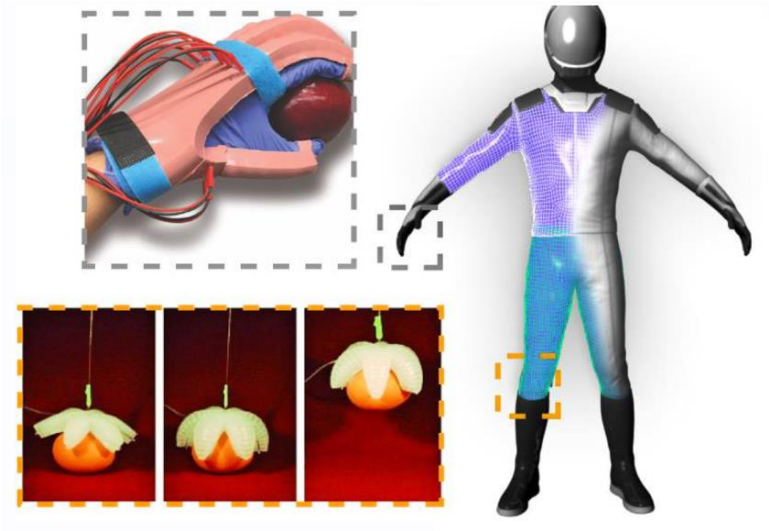
Power Beaming for Long Life Venus Surface Missions



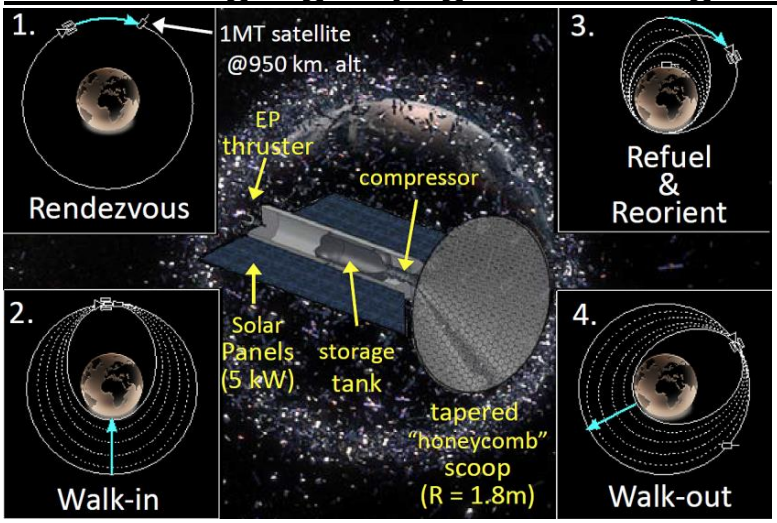
Diffractive LightSails



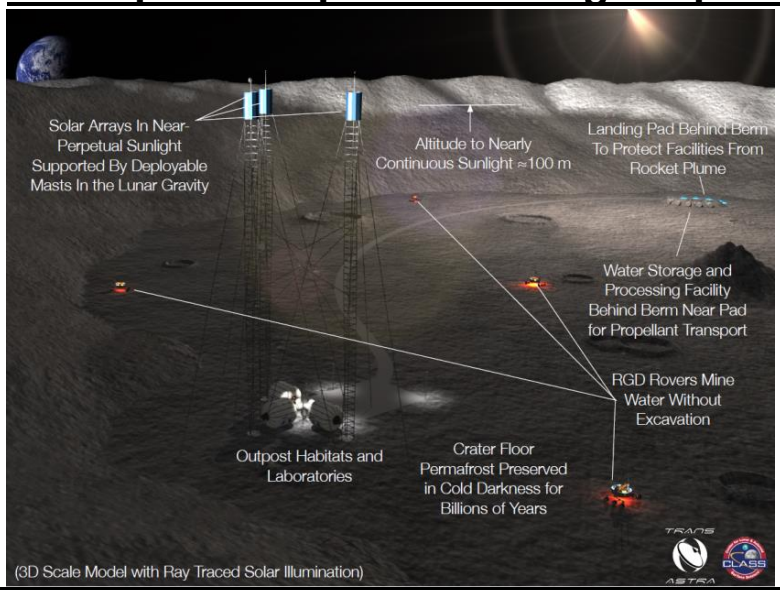
SmartSuit –



Crosscutting High Apogee Refueling Orbital Navigator (CHARON)



Lunar-polar Propellant Mining Outpost (LPMO)



Thermal Mining of Ices on Cold Solar System Bodies

4-14-2019 Website: https://newatlas.com/nasa-green-light-18-space-technology/59254/