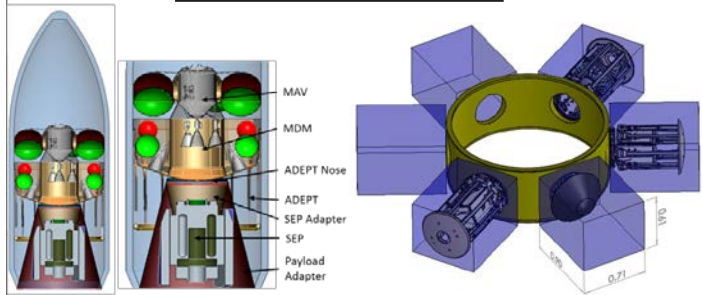


Adaptable, Deployable Entry and Placement Technology (ADEPT)



LAUNCH VEHICLE PACKAGING



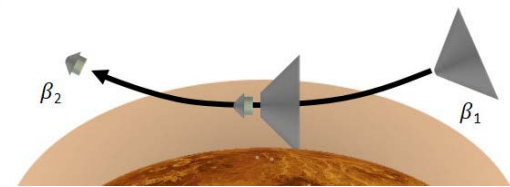
ADEPT efficiently stows within launch vehicle primary or secondary volume overcoming packaging constraints and enabling a new-class of planetary entry missions

RELEVANT MISSION CONCEPTS



- ADEPT uses novel 3d woven carbon fabric as TPS/structural membrane suitable for high thermal conditions for Venus and Mars entry

DRAG MODULATED AEROCAPTURE (DMA)



- ADEPT enabling for SmallSat DMA science missions.
- Modulating the time of drag skirt jettison enables targeting to a specific orbit

ADEPT Designs	SmallSat Class (1-3m Diameter) (Tech Demo or Secondary Payload)	Robotic Class (4-12m Diameter) (Discovery, New Frontier, Flagship)	Exploration Class (Human Mars)
Ballistic and Lifting Entry Vehicle Concepts	<p>SR-1 (2018 Flight Test)</p>	<p>ADEPT VITaL (Venus Lander)</p>	<p>Human Exploration 20mt Concept</p>
	1-3m Diameter	6m Dia.	18m Dia.
	Project Pterodactyl		
			Ice Giant DMA Concept
		12m Dia.	

ADEPT is an Entry System Architecture for a wide range of mission classes and destinations