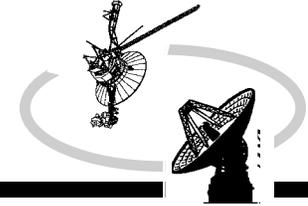


# The Need for Technology: Challenging New Missions



- **NASA's future mission themes (SSE, Origins) entail challenging new missions that we simply can't fly with today's capabilities**



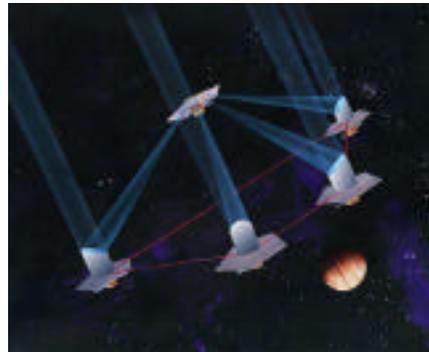
**Landing on Small Bodies**



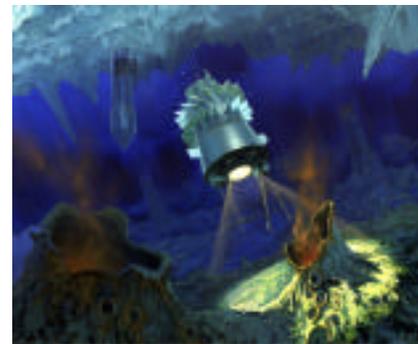
**Cometary Feature and  
Hazard Detection**



**Long-traverse Rover Missions**



**Formation Flyers**



**Exploration of Unknown  
Environments**