### NASA Planetary Science Summer School:

**Preparing the Next Generation of Planetary Mission Leaders**

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### Summer School for Planetary Sciences | The Mission Lifecycle Process

#### Inputs:
- 18 highly qualified post-doc/PhD candidates per session
- JPL Team X mentors
- 6 weekly preparatory WebExs
- 1 week JPL concurrent design experience
- Student selection of engineering and science team roles
- Trade-offs to finalize design and make cost-cap

#### Outputs:
- Peer-reviewed mission concept for NASA Discovery/New Frontiers class mission
- Suite of instrumentation and science traceability matrix
- Student understanding of interconnectedness of systems and subsystems

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#### Students Perform Mission Design Roles with JPL Team X Mentors

#### JPL Facility Tours Highlight End-to-End Mission Life Cycle

#### Students' Mission Concept Presented to NASA HQ/JPL Review Board

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#### Top Feeder Schools
- U Colorado - Brown U - MIT - Georgia Tech - U Michigan
- Caltech - U Arizona - Stanford - UCLA - UC Berkeley
- Typical Degrees

#### Outcomes

**Student Team Mission Concept Paper Presentations Typically to:**
- AGU, DPS, IEEE, LPSC

**Alumni Employment Snapshot 2009:**
- 31 JPL Employees + 28 Affiliates
- 12 NASA Ames Research Center
- 11 Goddard Space Flight Center
- 9 Johnson Space Center
- 7 at other Centers

**Summer 2010: GISMO Mission**
- Ganymede Interior, Surface, and Magnetosphere Observer

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#### Application Process

**2011 Sessions:** July 18-22, August 1-5

- Applications open January 2011
- Applications due April 1, 2011
- Based on relevance to student's career goals and recommendation by Advisor
- Selections made by NASA review panel
- Selections announced May 1, 2011

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- NASA Planetary Science Division

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