

### Mission:

Strengthen and support the development of Ames' expertise in project management and systems engineering.

## **APEX Scope**

- ◆Formal Development Programs
- JUST-IN-TIME Learning & Development, e.g.
  - ♦ HOPE-COAST Project
  - ♦ HOPE-CHARM Project

  - ♦ Ames Multi-Mission Operations Center
- Mentoring Initiative, Ames Systems Engineering Community of Practice



## **APEX Formal Development Programs**



#### NASA Program/Mission Agency-wide Programs

Skills

e.g. Systems Engineering Leadership Development Program (SELDP).

Large Project Increase -- Readiness; or Complex System For Sharpen Small Project --- Execution or Subsystem

APEX Systems Engineering Development Program (SEDP)

APEX SE-PM Program APEX Project Management Development Program (PMDP)

Project Team Member -Discipline Expert e.g. Engineering, Science, Project Control, Resources Management, etc.

- APEX Foundations Pilot Program
- Onsite APPEL Courses
- APEX Workshops
- APEX Fly-On-The-Wall Opportunities

# **Current APEX Formal Program**

APEX Integrated
Systems Engineering and Project Management
Development Program

### **Overview**

- ◆ 14 month technical development program (April 2011-June 2012)
- Providing and integrating 2 technical pathways:
   Systems Engineering (SE) and Project Management (PM)

### SE Pathway

- Designing Missions and Systems
- System V&V
- Cost Effective Mission Operations

### Integrated

- Fundamentals of Systems Engineering
- Proposal Development



### PM\* Pathway

- \* For PI, Project Manager and Program/Project Control Participants
- · Applied Project Management
- Tactical Leadership Issues
- PM Learning Lab