UPDATE – NASA Academy & Other Higher Ed. Opportunities

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Presented at Natl. SG Directors’ Mtg.
Students & Faculty Opportunities at Glenn Research Center

Update on “NASA (Space) Academy” 2010 at GRC

• Total Research Associates (RAs): 8
• SGC Partners: AL, MA, MI, NY, OH, WI and WV
• Research Assignments: Varied individual research projects in addition to Group Project - “Modular and Adaptable Space Environments (MASE)”
• Developmental Lecture Series, Facility Tours and Industry visits
• Follow-on Opportunity: 4 RAs recommended for “NASA Student Ambassador”
• Status on RAs: Some are enrolled in graduate study; others are undergrad seniors.

ARMD-Approved “NASA Aeronautics Academy” (NEW-Summer 2011)

• Goal/Objective: Provide unique learning experience for future Aeronautics leaders via research, systems integration, proj. mgt., teamwork & leadership training
  *Aligns with nat’l & ARMD need for sustainment of Aeronautics STEM workforce
  *Will partner with National Space Grant Consortia and Industry; 10-wk internship

• Eligibility: 10-weeks, starting in summer’11, for Aeronautics /Aerospace students
  *US citizens at Rising Jnr. - 2nd year Grad. level at univs./colleges;  Min. GPA=3.2
• Application: http://www.AcademyApp.com

Glenn Research Center at Lewis Field
NASA Glenn Faculty Fellowship Program (NGFFP)

- **Goal/Objective:** 10-week, summer prog. to increase collaborations with STEM faculty in US academic institutions, on research & technology for NASA mission

- **Must be:** US citizen, tenured/tenure track in 4-yr. univ.; full-time in 2-yr institution

- **Application/Details:** [http://newbusiness.grc.nasa.gov/university-affairs/ngffp/](http://newbusiness.grc.nasa.gov/university-affairs/ngffp/)
NASA Space Technology Research Grants Program

Goal/Objective: To accelerate development of high-risk/high-payoff technologies to support NASA’s space science & exploration needs
  *National Prog. Office at GRC

- Faculty Grants: Focus on advanced space technology by academia, NASA Cntrs. & not-for-profit R&D labs, plus small business, industry & other gov’t agencies
  *100 new Awards/yr.; 12 months, $250K Award (max. 24 months, $400K)
  *1 Solicitation/yr., for Dec. NRA release

- Student Fellowships: US citizens & Permanent Residents may compete for –
  *Award for M.S.- $55K/yr for 2 yrs.; Ph.D.- $60K/yr. for 3 yrs.
  *Total Awards: 350 in FY11; 500/FY after FY11
  *Research must show promise for future NASA mission & strategic goals
  *Emphasis on NASA-wide & discipline-based interaction with Fellows
  *Proposal Call- 10/1; Due date- 12/1; New Awards-2/15; Fellowships start- 8/15

- Details at - [http://www.nasa.gov/oct](http://www.nasa.gov/oct)

Glenn Research Center

at Lewis Field
Update – Ames Research Center
Highlights from the 2010 Ames Academy

- 11 US students
- 3 Internationals
  - CNES, VSSEC, CSA
- 3 papers are in review
- 18 lectures, visited 4 NASA Centers, 3 research institutes, 2 commercial space partners
- Group project: Creation of a microbial fuel cell as a proxy for life detection. The project is continuing at the MDRS (Jan 29-Feb 11, 2011) Glenn Research Center at Lewis Field
• Continue to have strong support from Ames Center Director Pete Worden
• 9/12 (2009) and 8/14 (2010) students applied to come back as staff for the following summer
• 6/12 students from 2009 returned to Ames during the summer of 2010
• Already have placement for 5 2010 students for 2011 and 3 students are currently working at Ames as a continuation of their summer projects
• Collaboration with Stanford with the Academy as an entrance prerequisite

Glenn Research Center at Lewis Field
Update – Marshall Spaced Flight Center

VOTE OF THANKS