

September 29, 2008

## THE HEAD'S PERSPECTIVE

### Astronaut Andrew Feustel and Space Shuttle Mission 125 (Hubble Space Telescope)

We are very excited about the next NASA Space Shuttle mission scheduled for launch on October 14, 2008. EAS alum Drew Feustel (BS 1989, MS 1991 Purdue University; PhD 1995 Queen's University) is a member of the seven person astronaut team for shuttle mission number 125 and will be helping repair and upgrade the Hubble Space Telescope (HST). Drew worked for ExxonMobil in Houston from 1997-2000. He joined the astronaut program at NASA in August of 2000. You can find more information about the mission and about Drew (including some great photos, click on STS-125 Imagery under Related Multimedia; and on Drew's bio) at [http://www.nasa.gov/mission\\_pages/shuttle/shuttlemissions/hst\\_sm4/](http://www.nasa.gov/mission_pages/shuttle/shuttlemissions/hst_sm4/). We wish Drew and his fellow crew members great success in this mission that will extend and enhance the tremendous scientific data and images of the Earth, the solar system and the universe from the HST!



Drew Feustel



STS-125 Crew Patch



STS-125 Astronaut team  
Drew Feustel at end on right.



Astronaut Andrew J. Feustel, mission specialist.

## UPCOMING MEETINGS

### Wednesday, October 1

- EAS Leadership Team, CIVL 2173 (9 a.m.)

### Thursday, October 2

- Honors Committee, CIVL 3223 (1:30 p.m.)

### Friday, October 3

- ATMS Tea, CIVL 2201 (2:30 p.m.)

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## EAS SEMINAR

### Thursday, October 2, at 3:30 p.m. in CIVL 1252:

"Testing Geophysical Hypotheses with Global Models of the Mantle/Lithosphere System."  
Giampiero Iaffaldano, Harvard University

*Refreshments at 3 p.m. in CIVL 2201*

For more information, see the EAS online [calendar](#).

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## OUR RECENT PUBLICATIONS

Markowski, P., E. Rasmussen, J. Straka, R. Davies-Jones, Y. Richardson, and **R.J. Trapp**, 2008: Vortex Lines within Low-Level Mesocyclones Obtained from Pseudo-Dual-Doppler Radar Observations. *Mon. Wea. Rev.*, **136**, 3513–3535.

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## RECENT PRESENTATIONS

Kevin Gurney gave an invited talk at the 5th Annual California Climate Change Conference in Sacramento, California on September 8, 2008, titled: "'Vulcan': A collaborative high-resolution process-based U.S. fossil fuel CO<sub>2</sub> inventory project"

Kevin Gurney gave an invited talk, titled: "Feedbacks between climate change and biogeochemistry: The case of tropical lands and carbon cycling." The talk was presented at the "Science and Tropical Agriculture for the 21st century" Celebrating the 70th anniversary of the National Coffee Research Center – CENICAFE, Bogota, Colombia, September 12, 2008.

Chen M., Zhuang Q., Quantifying Terrestrial Ecosystem Carbon Budget in the Conterminous US Using a Terrestrial Ecosystem Model and MODIS and AmeriFlux Data, Purdue Green Week, Student Poster Symposium, Purdue University, September 18, 2008

Jiang, Y., Q. Zhuang, Modeling Fire Occurrence and Burned Area Probability Distribution in Canadian and Alaskan Boreal Forests, Purdue Green Week, Student Poster Symposium, Purdue University, September 18, 2008

Lu, X., Q. Zhuang, Evaluating Terrestrial Ecosystem Carbon Dynamics in the Midwest United States with a Process-Based Ecosystem Model and Data of Agricultural Statistics, Forestry Inventory, and Satellite-Based Net Primary Production, Purdue Green Week, Student Poster Symposium, Purdue University, September 18, 2008

Tang, J., Q. Zhuang, Quantifying the Uncertainty in Estimating the Regional Carbon Dynamics due to the Parameterization Equifinality in Process-based Biogeochemistry Models, Purdue Green Week, Student Poster Symposium, Purdue University, September 18, 2008

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## National Physical Science Consortium Graduate Fellowship in the Physical Sciences

The Fellowship Program of the National Physical Science Consortium (NPSC) is again open for receipt of applications at [www.npsc.org](http://www.npsc.org). NPSC offers two programs.

1. The Traditional NPSC Program provides a two-phase, six-year fellowship. Initial support is for two or three years, depending on the employer-sponsor. If the student makes satisfactory progress and continues to meet the conditions of the award, support may continue for a total of up to six years. Students typically apply during their senior year.
2. The Dissertation Support Program provides support while the graduate student conducts dissertation research. Students should apply in the year prior to the beginning of their dissertation research program, but not until they can describe their research at least in general terms.

The deadline for the online application is November 7, 2008.

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## A NOTE FROM OUR ACADEMIC COUNSELOR [Agriculture Career Fair](#)

Tuesday, **October 7** at 9:30 a.m. – 3:30 p.m. in Purdue Memorial Union Ballrooms and East Main Lounge. This is an opportunity to look for careers in agricultural and natural resources systems. There will also be an employer panel discussion in Pfendler Hall Auditorium Room 241 on October 6, from 6:00 – 7:30 p.m. You can hear what they recommend for career success; free door prizes as well.

### Research Search Reminder

This website is a research experience and internship database and is linked from the CCO "internship" page as well:

<http://www.science.purdue.edu/careers/internships>.

### Student Convo Vouchers

You can pick up vouchers to attend performances at Purdue from MATH 231 M-F 8 a.m. – 5 p.m. These vouchers then allow you to purchase tickets for the following events at the student-friendly price of \$10. More information about these events at: <http://www.purdue.edu/convocations/home.shtml>.

Jazz at Lincoln Center Orchestra	Friday, Oct. 3
Ralph's World	Sunday, Oct. 12
Brasil Guitar Duo	Thursday, Oct. 16
Omar Sosa Afreecanos Quartet	Saturday, Oct. 18
ATOS Trio	Thursday, Oct. 23
Chicago	Friday, Oct. 24
Jane Comfort and Company	Thursday, Oct. 30
Punch Brothers	Thursday, Nov. 20

Madeline and the Bad Hat  
An Empire Brass Holiday

Sunday, Nov. 23  
Thursday, Dec. 4

Nancy

### HAPPY BIRTHDAY!!!

Michelle Miller – October 1  
Ernie Agee – October 2  
Phil Smith – October 2  
Jeff Trapp – October 3  
Wen-Yih Sun – October 4



### ABOUT THIS NEWSLETTER:

This weekly newsletter is the place to look to keep up with departmental happenings, announcements (seminars, student group events, scholarship and award deadlines, departmental committees), job and grant opportunities, and anything else you need to know about the department. It should cut down on the glut of email and other forms of separate announcements – **if it is in the newsletter, we assume you know about it** and no other reminders are needed. Past issues will be available on our departmental web site ([www.purdue.edu/eas/](http://www.purdue.edu/eas/)). Material for inclusion in the newsletter should be submitted to Gina Richey ([grichey@purdue.edu](mailto:grichey@purdue.edu)) by **Friday noon** of each week for inclusion in the Monday newsletter.

For answers to common technology questions and the latest updates from the EAS Technology Support staff, please visit <http://www.purdue.edu/eas/resources/it>.

Also, as an additional resource for information about departmental events, seminars, deadlines, etc., see our departmental calendar at <http://calendar.science.purdue.edu/eas/seminars>.

