



# Connecticut Space Grant Consortium

The NASA-PLAN Teachers Academy

MAY 17, 2007

## Photonics/Lasers/Aerospace/Nanotechnology

### Summer Workshop Opportunity

The University of Hartford campus

July 30– August 2 and August 6–9, 2007

"Fostering NASA's mission in education and research"

Sponsored by

Connecticut Space Grant Consortium

Connecticut Center for Advanced Technology

Connecticut Science Center

Office for Workforce Competitiveness

Here is the opportunity to obtain both academic and practical knowledge about advanced technologies that are changing our world. All participants receive a \$1000 stipend together with lab materials to support curriculum they develop for their own classrooms.

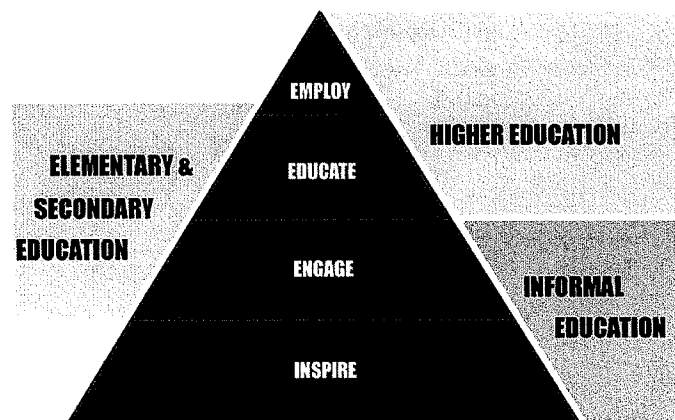
During eight days of summer workshops and two additional days during the academic year, university instructors and industry experts will discuss the nature and practical application of photonics, lasers, aerospace technologies, and nanotechnology. The curriculum will be aligned with the Connecticut State Science Frameworks. Each teacher's district will be reimbursed for the cost of substitutes for the two school-year meetings.

The eventual product of the workshops will be the development of student activities that will enrich the science background of students and prepare them for participation in such capstone events as the Connecticut Invention Convention, the New Haven Science Fair, CPEP Day, or the Connecticut Science Exposition.

Teacher participants will engage in team-based capstone projects related to their own classrooms and to presentations they will make for the Connecticut Science Center.

NASA has recently adopted an education philosophy that consists of four basic principles:  
**Inspire • Engage • Educate • Employ**

The NASA-PLAN Teachers Academy prepares teachers to meet NASA's objective to inspire, engage, educate, and employ students by providing real-world understanding of the advanced technologies behind the skills students will need in the 21<sup>st</sup> century.

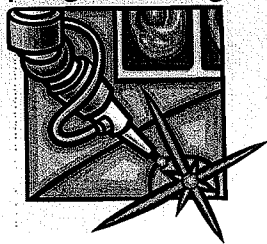


During workshop sessions and for the remainder of the academic year, participants will be provided with proprietary software that will allow online communication with other members of the workshop. This software is unique in providing real-time voice communication, instant messaging, and full team collaboration on documents—the workplace environment of the future.

# Become a NASA- PLAN Teachers Academy Fellow.

Teachers who complete the NASA-PLAN Teachers Academy will be named Academy Fellows.

Academy Fellows are designated adjunct instructors for the Connecticut Science Center as part of the academy's workshop process and are expected to participate in the science center's Saturday programming.



## The NASA-PLAN Teachers Academy The University of Hartford Campus

**Eight 5-hour days**

**Daily sessions (8:30 - 2:30)**

(July 30-August 2 and August 6- 9)

**Lunch will be provided.**

Two follow-up sessions are scheduled for October 2007 and February 2008 to prepare participants for instruction at Saturday programs at the Connecticut Science Center.

Fundamental concepts: photonics, lasers, aerospace technology, and applied nanotechnology. Each session will be led by a specialist from an area university, together with appropriate tours of such facilities as CCAT's Laser Applications Laboratory at Rentschler Field.

### **Enroll now**

Applications close at the end of the day on Tuesday, May 29, 2007. Selection is by lottery from among the applicants.

The NASA-PLAN workshop is designed for teachers of science in grades 7-10. Space is limited to 15 participants.

Please fill out this registration form and email it to [rvieth@ccat.us](mailto:rvieth@ccat.us).  
Or contact Bob Vieth directly at the phone number listed below.

NAME \_\_\_\_\_

SCHOOL \_\_\_\_\_

TOWN \_\_\_\_\_

EMAIL (W) \_\_\_\_\_

EMAIL (H) \_\_\_\_\_

SUBJECTS/GRADES TAUGHT  
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Robert Vieth, The Connecticut Center for Advanced Technology, Inc.,  
111 Founders Plaza, East Hartford, CT 06108  
Phone: 860.282.4232 • Email: [rvieth@ccat.us](mailto:rvieth@ccat.us)