



*New Horizons in Science—43rd Annual Briefing  
Omni William Penn Hotel, Pittsburgh, Pennsylvania  
Sunday, October 23, 2005 - Wednesday, October 26, 2005  
Hosted by Carnegie Mellon University with support from the University of Pittsburgh*

## Registration/Special Events

The following tours have been added in addition to those offered on the CASW registration Website, [www.casw.org](http://www.casw.org). To register, fax this form to the attention of Kelly Widmaier at 412-268-6929.

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_

Affiliation and Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

**Please check the events that you would like to attend.**

Transportation will be provided for events that are not within walking distance of the hotel. Shuttle schedules will be posted and shuttles will depart at least 15 to 30 minutes before each event.

### ***Tuesday afternoon, October 25: Laboratory Tours***

We will be visiting Carnegie Mellon's campus for science panels in the morning and lab tours in the afternoon. Please note tour times—some are repeated.

#### **The Office of the Future: Limit 15 per tour \_\_\_ 1 p.m. \_\_\_ 3 p.m.**

The Robert L. Preger Intelligent Workplace is a 7,000-square-foot, \$4 million *living* (always changing and improving) and *lived-in* (occupied workspace) research, development and demonstration project that seeks to advance physical improvements that affect the health, motivation and productivity of the more than 50 million members of the U.S. office workforce.

#### **See How Cells of the Live Brain Coordinate Learning: Limit 15 per tour \_\_\_ 1 p.m. \_\_\_ 3 p.m.**

Tour neuroscience labs where investigators develop and use unique technologies to reveal how learning is coordinated among cells within the living brain. Approaches include customized multi-photon laser-scanning microscopy to explore how neural circuits function, computational tools to detect how brain cells synchronize their activities and imaging tools to witness neural activation in profound, new ways.

#### **Have a Heart: Limit 20 per tour \_\_\_ 1 p.m. \_\_\_ 3 p.m.**

Carnegie Mellon University's Biomedical Engineering Department features everything from innovative heart assist pumps to computational biomechanics. Join James Antaki, associate professor of Biomedical Engineering, in a hands-on tour through a lab of the future where research in experimental and computational fluid dynamics could improve the blood flow and mechanics of the human heart.

#### **Coming Clean: Limit 10 per tour \_\_\_ 1 p.m. \_\_\_ 3 p.m.**

Carnegie Mellon's Nanofabrication Lab is home technology startups using tiny computer chips to improve cell phones or gauge damage done when users drop disk drives. The 4,000-square-foot cleanroom sports more than \$10 million worth of high-tech equipment. But you gotta come clean, and suit up in a white "bunny suit" to review these space age digs.

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*For questions about meeting logistics, contact Diane McGurgan, at 304-754-5077 or [diane@nasw.org](mailto:diane@nasw.org). For questions about the program, contact program director Paul Raeburn at 212-645-1240 or [paulraeburn@nasw.org](mailto:paulraeburn@nasw.org). For questions about things to see and do while at Carnegie Mellon contact Teresa Thomas at 412-268-2900 or [thomas@cmu.edu](mailto:thomas@cmu.edu).*