North America New PhD Numbers Hold Steady

Each year, the Computing Research Association conducts its Taulbee Survey to document trends in student enrollment, degree production, employment of graduates, and faculty salaries in PhD-granting departments of computer science, computer engineering, and information sciences in the US and Canada.

**PHD PRODUCTION FLAT**

Total PhD production in computing programs held steady in 2009-2010, with 1,772 degrees granted compared to 1,747 in 2008-2009 with fewer departments reporting. Computer science degree production also was flat: 1,481 PhDs in 2009-2010 versus 1,473 in 2008-2009. This follows a drop in numbers the preceding year.

Economic conditions that resulted in some students delaying graduation two years ago and instead graduating in 2009-2010 might have halted what otherwise could have been another year of declining production.

**NEW PHD STUDENT NUMBERS SAG**

For the second year in a row, the number of new PhD students overall (2,962) was about the same—2,995 in 2008-2009. However, with more departments reporting in 2009-2010, this total actually represents a slight decline.

The number of new students in computer engineering programs also decreased. The proportion of new doctoral students from outside North America declined from 59.1 percent in 2008-2009 to 56.8 percent in 2009-2010, although these figures still exceed the 54 percent from two years ago. Total enrollment in computer science doctoral programs in 2009-2010 is comparable to that of the preceding year, after accounting for the larger number of departments reporting.

**COMPUTING RESEARCH ASSOCIATION**

The CRA is an association of more than 200 North American academic departments of computer science, computer engineering, and related fields; laboratories and centers in industry, government, and academia engaging in basic computing research; and affiliated professional societies.

The Taulbee Survey is named after the University of Pittsburgh’s Orrin E. Taulbee, who conducted the surveys from 1974 to 1984 for the Computer Science Board (the CRA’s predecessor organization). Learn more about the CRA and its programs at www.cra.org.
The IEEE Computer Society thanks the following associate editors and editorial board members who are retiring at the end of this year for giving their valuable time and support to our publications:

**Computer**
- Ralph Cavin

**Computer Architecture Letters**
- Sandhya Dwarkadas

**Computer Graphics and Applications**
- Anselmo Lastra

**Computing in Science & Engineering**
- R. Bowen Loftin
- Henrik Schmidt

**IEEE Intelligent Systems**
- Steffen Staab

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- Dan Massey
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- Cagatay Basdogan
- Matthias Harders
- Vincent Hayward
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**IEEE Transactions on Mobile Computing**
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- Thyaga Nandagopal
- Arunabha Sen
- Sanjay Shakkottai
- Rajeev Shorey
- Yu-Chee Tseng
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**IEEE Transactions on Parallel and Distributed Systems**
- John C.S. Lui
- Manish Parashar
- Fabrizio Petroni
- Sampath Rangarajan

**IEEE Transactions on Pattern Analysis and Machine Intelligence**
- Serge Belongie
- Antonio Criminisi
- David Hogg
- Jana Kosecka
- Daniel D. Lee
- Jiebo Luo
- Kevin Murphy
- Salil Prabhakar
- Ambasamudram (A.N.) Rajagopalan
- Dale Schuurmans
- Yoram Singer
- John Winn
- Ming-Hsuan Yang

**IEEE Transactions on Software Engineering**
- Shing-Chi (S.C.) Cheung
- Premkumar Devanbu
- Susanna Donatelli
- Wolfgang Emmerich
- Mark Harman
- Audris Mockus
- Hauši Muller
- Wilhelm Schaefer
- Alexander Wolf

**IEEE Transactions on Visualization and Computer Graphics**
- Ravin Balakrishnan
- Baining Guo
- Helwig Hauser
- Kwan-Liu Ma
- Alan MacEachren
- Torsten Möller
- Chris North
- Penny Rheingans
- Han-Wei Shen
- Philipp Slusallek
- Jos Stam
- Ross Whitaker
IEEE Computer Society Fellows Committee member Karen Panetta was honored recently at the Anita Borg Institute for Women and Technology’s Women of Vision Awards Banquet. A professor of electrical and computer engineering and director of the Simulation Research Laboratory at Tufts University, Panetta was named a Woman of Vision in the leadership category. Hosted by Lockheed Martin, the event featured keynote speaker Anousheh Ansari, the first female private space explorer and first space ambassador.

Panetta was recognized not only for her contributions as a leader in academia and industry but also as one of the top US experts in innovating successful low-cost methods for disseminating engineering and science to youth, parents, educators, and the general public to help recruit young women to the STEM disciplines. Her international Nerd Girls program has inspired young women by teaching them how to become engineers and scientists who create innovations for the benefit of humanity.

Panetta’s research focuses on developing efficient algorithms for simulation, modeling, signal, and image processing for security and biomedical applications. She is the cofounder and chief research scientist of BA Logix. Previously, Panetta was a computer engineer at Digital Equipment Corp. She is a NASA Langley Research Scientist JOVE Fellow, and a recipient of the National Science Foundation Career Award and the 2003 Madeline and Henry Fischer Best Engineering Teacher Award.

To learn more about Panetta’s award and her accomplishments, visit http://anitaborg.org/about/who-we-are/karen-panetta.

**Women of Vision Awards**

The Women of Vision Awards honor women making significant contributions to technology in three categories: innovation, leadership, and social impact. Three winners were selected from a field of highly qualified women engaged in technology professions in industry, academia, nonprofits, or government. Candidates for the awards are considered based on their records of consistent, significant contributions to technology invention and application; effecting positive changes in the ways in which technology impacts society; and demonstrated leadership in the technology industry that extends beyond their place of work.

**Anita Borg Institute**

The Anita Borg Institute provides resources and programs to help industry, academia, and government recruit, retain, and develop women leaders in high-tech fields, resulting in higher levels of technological innovation. ABI programs serve high-tech women by creating a community and providing tools to help them develop their careers.