July 19-25, 2009

CCT Director To Deliver Keynote Speech at ICCSE in China

Stephen David Beck will deliver a keynote address at IEEE's 4th International Conference on Computer Science and Education, which takes place July 25-28 in Nanning, China.

This conference serves as a worldwide forum for scientists and educators to collaborate and discuss the newest technology for computing and engineering, as well as ideas to incorporate these breakthroughs into computational science curricula.

Beck's keynote address, "The Arts as a Driver for Computer Science Education," will examine the historical connections among art, science and technology. Since the Renaissance, artists and scientists alike have used the latest technologies for their crafts. Today, high-performance computing enables both to achieve breakthroughs in their respective fields, from animated films to mapping 3-D images of the Universe.

In his talk, Beck will discuss the latest computational techniques that are advancing art and music along with basic science disciplines, and also will describe LSU's Arts, Visualization, Advanced Technologies and Research, or AVATAR, Initiative.

AVATAR, which Beck leads, establishes a University-wide focus on digital media, creating new, interdisciplinary research initiatives in areas such as video game design, animation, digital art and virtual environments. The AVATAR faculty are establishing opportunities for students to study digital media at LSU.

Beck's address will compliment presentations by two other prominent speakers, Roger Cavallo from State University of New York at Binghamton and Iven Mareels from the University of Melbourne.

For more information on the International Conference on Computer Science and Education, please visit http://iccse.xmu.edu.cn.

Pats on the Back:
- Former CCT Director Ed Seidel has been named interim assistant director for the National Science Foundation's Mathematical and Physical Sciences, or MPS, Directorate. He will continue to advise the Office of Cyberinfrastructure, and also will oversee the MPS Directorate and its five divisions of astronomy, chemistry,

materials research, mathematics and physics. Seidel takes over for outgoing Assistant Director Tony Chan, who will leave the NSF after three years to become president of the Hong Kong University for Science & Technology in August.

CCT Welcomes:
- Michael Neilan, who will be a post-doctoral researcher in the Core Computational Focus Area.

CCT in the News:

- LSU Professor Selected as Keynote Speaker for International Computer Science Conference
  HPC Wire
  http://www.hpcwire.com/offthewire/CCT-Interim-Director-Selected-as-Keynote-Speaker-for-IEEE-Conference-51224742.html

  Daily Report
  http://www.businessreport.com/archives/daily-report/2009/jul/20/1090/

- LSU Professor Tapped to Lead NSF's Mathematical and Physical Sciences Section
  HPC Wire
  http://www.hpcwire.com/offthewire/LSU-Professor-Tapped-to-Lead-NSFs-Mathematical-and-Physical-Sciences-Section-51036587.html

  Supercomputing Online
  http://supercomputingonline.com/index.php?option=com_content&view=article&id=16889:lsu-professor-tapped-to-lead-national-science-foundations-mathematical-and-physical-sciences-section&catid=15:latest&Itemid=50

Please Note:

- Future ALL CCT meetings for summer and the Fall 2009 semester will take place Aug. 26 (there will be a special presentation by LSU Intellectual Property at this meeting!), Sept. 23, Oct. 21, Nov. 11 and Dec. 16. All meetings are at 3 p.m. in Johnston 338 unless otherwise announced. Please make every effort to attend these important meetings.

- IEEE Cluster 2009 will take place Aug. 31-Sept. 4 in New Orleans. Daniel S. Katz is general chair, and Thomas Sterling is program chair for Cluster 2009. More information about the conference is at http://www.cluster2009.org.

  Please note the following deadlines for this conference:

  Poster notification: July 24
  Poster camera-ready deadline: July 31

- **Call for Student Participation in Cluster 2009:** The conference has received an award from the National Science Foundation to support student participation by covering advance student registration fees and providing $200 per student toward lodging for up to 75 students. Students will be selected generally on a first-come, first-served basis, with some preference given for student authors of papers or posters. Students who wish to participate in Cluster 2009 can seek approval for this support by sending a single email to d.katz@ieee.org, with the subject "Cluster 2009 Student Support," and provide contact information and information about any authorship of material being submitted to the conference. Students also must attach a letter from their advisor/professor explaining how this program will advance the student's career. For more information on Cluster 2009, please visit http://www.cluster2009.org.

  - Deadlines open for SC09, Nov. 14-20 in Portland, Oregon:

    POSTERS/DOCTORAL SHOWCASE/BOFs/CHALLENGE
    Due: Monday, July 27, 2009
    Notification: Monday, August 17, 2009
    SHOWCASE/BOFs/CHALLENGE
    Due: Monday, July 27, 2009
    Notification: Monday, August 17, 2009
    DISRUPTIVE TECHNOLOGIES
    Due: Monday, July 27, 2009
    Notification: Monday, August 17, 200
    STUDENT VOLUNTEERS/BROADER ENGAGEMENT
    Applications Due: Monday, August 3, 2009
    Notification: Monday, September 7, 2009

- Registration is now open for the Supercomputing 2009 Education Program at the conference in Portland, which will take place Nov. 14-17. The Education Program helps educators and students learn more about computational science topics and gives educators ideas to bring these topics into their classrooms. The program is open to undergraduate faculty, undergraduate and graduate students, and high school teachers. To register or for more information, please visit http://computationalscience.org/sc09.

- Please feel free to suggest nominees, including yourself, for the SC 09 Education Program Awards: http://sc09.sc-education.org/opportunities/index.php. Contact Kristen Sunde at ksunde@cct.lsu.edu if you need assistance with this process. Award categories are:

  o The Dr. Mary Ellen Verona Computational Science Teacher Leader Award is open to those who demonstrate computational science leadership and education, either in a formal classroom setting or in an afterschool program.

Deadline to apply is Tuesday, September 1, 2009.

- o The Dr. Robert M. Panoff Student Award for Explorations in Science Through Computation is open to high school, undergraduate, and graduate students exploring science made possible through computation. Deadline to apply is Monday, August 31, 2009.

- o The Undergraduate Computational Engineering and Sciences (UCES) Award, hosted by the Krell Institute, is open for undergraduate faculty who have developed computational science curricula. Deadline to apply is Saturday, August 1, 2009.

- The SC09 Student Contest Program is accepting team registrations. This is a competitive programming event, where teams consisting of no more than five students will be given eight to 12 problems from various scientific problem domain areas. The competition will take place Monday, Nov. 16 at the SC09 conference in Portland, Oregon. Awards will be announced on Tuesday, November 18 at an SC09 Education Program plenary session. Register your team today, http://sc09.sc-education.org/conference/studentcomp_signup.php. Deadline to register is Thursday, October 1, 2009.

- Please remember to send your news concerning grants, awards, conferences, or other pertinent information that should be communicated to CCT to PR Manager Kristen Sunde at ksunde@cct.lsu.edu.

Upcoming Grant Deadlines:

Note: Please see the CCT deadline Web site, as many NSF deadlines are listed here: http://www.cct.lsu.edu/about/grants/deadlines/events.php

- Faculty Early Career Development (CAREER) Program
July 22 2009 10:00 am
At Most $ 400,000.00
Full Proposal Deadlines by Discipline: July 21, 2009 - BIO, CISE, EHR July 22, 2009 - ENG July 23, 2009
http://www.nsf.gov/pubs/2008/nsf08557/nsf08557.htm

- Information and Intelligent Systems (IIS): Core Programs
August 30 2009 10:00 am
At Most $ 3,000,000.00 available
http://www.nsf.gov/pubs/2009/nsf09557/nsf09557.htm?govDel=USNSF_25

- Computing and Communication Foundations (CCF): Core Programs
August 30 2009 10:00 am
At Most $ 3,000,000.00 available

http://www.nsf.gov/pubs/2009/nsf09555/nsf09555.htm?govDel=USNSF_25

- CISE Cross-Cutting Programs: FY 2010

August 30 2009 10:00 am

At Least $ 3,000,000.00 available

http://www.nsf.gov/pubs/2009/nsf09558/nsf09558.htm?govDel=USNSF_25