

The Compiler

Internal News for Faculty & Staff



Issue 9 | January 2007

Research News

Starting with this issue of the Compiler, Financial Services is providing research contract and monetary gift information each month for the CoC and its associated research centers. The numbers will always be from 2 months prior to ensure the data is final and correct. The below tables are for November 2006.

Newly Awarded Contracts

Sponsor	Value	PI	Co-PI's	Title
GSE Systems, Inc.	\$0	Thad Starner	None	BOA Master Research Agreement
Cure Autism Foundation	\$40,498	Gregory Abowd	None	Technology Support for Early Detection of Autism
RNET Technologies	\$349,984	Greg Eisenhauer	Sudhakar Yalamanchili	Interoperability Between Ultra High Speed Networks and Traditional IP
Create-Net	\$61,583	Jim Rehg	Gregory Abowd	Projected Displays For Interactive Interfaces
DHHS/PHS/NIOSH/CDC	\$64,875	Shamkant Navathe	None	Classified Development for Literature in Public Health

**Numbers are for November 2006*

Grants/Gifts Received

Donor	Amount	PI	Description of Gift/Donation
Caring Technologies	\$2,000	Gregory Abowd	Autism Research
Motorola	\$25,000	Thad Starner	Media Sharing
Siemens	\$25,000	Jarek Rossignac	GVU General Research
Microsoft	\$75,000	David Bader	Enabling MS Visual
Intel	\$90,000	Maureen Biggers	Intel Foundation Undergrad Research Program

**Numbers are for November 2006*

GTISC Hosts Major Cyber Security Meetings

The Georgia Tech Information Security Center will host the 2007 National Science Foundation (NSF) Cyber Trust PI meeting in Atlanta on January 28 to 30. Cyber Trust 2007 will provide a forum for NSF-supported researchers to discuss their research with their colleagues, and interact with industry and funding agency program officers. The program will also include panels on future directions of cyber security research. Additional information can be found [here](#).

GTISC also hosted the Institute for Information Infrastructure Protection (I3P) meeting in December.

Event Spotlight

January 2 -12
Registration

January 8
First Day of Classes

January 15
**MLK Holiday
GT Closed**

January 22
**CoC Info Session:
UG degree petition**
6pm
Location TBA

January 23
**CoC Workshop:
Mentoring UG
Researchers**
11am-1pm
Student Center –
Piedmont Room

January 26
**UG Degree Petitions
Due to CoC Advisors**
* for students graduating
summer or fall 2007

January 31
**Staff Quarterly
Luncheon & Meeting**
11:30am-1p m
TSRB 132 & 133

Numbers & Stats

19
Number of proposed
contracts in
November 2006

\$1.5M
Cumulative gifts,
grants and donations
for CoC and related
Research Centers as of
November

The I3P is a consortium of 29 leading national cyber security organizations, including 20 academic institutions. Its purpose is to help meet the well-documented need for improved research and development to protect the nation's information infrastructure against cyber incidents.

GVU Publishes 2006 Annual Report

After months of preparation, the Graphics Visualization & Usability Center has published its first annual report. To view, [click here](#).

CSE & RIM@GT Seminar Mailing List

The Computational Science & Engineering division is offering a seminar mailing list for those interested in data analysis (machine learning, data mining, etc.) and applications of computer science to science and engineering problems.

The Robotics & Intelligent Machine Center is also offering a mailing list for its seminars which are held on alternating Wednesdays from 12-1 pm covering topics such as Artificial Intelligence, vision and machine learning. To sign up for these or other mailing lists, go [here](#) and choose "CSE-seminar" and "Rim-seminar" respectively.

People@CoC

CSS Welcomes Rajnish Kumar

Dr. Rajnish Kumar was recently appointed Research Scientist II within the Computing Science & Systems division working with Kishore Ramachandran.

GVU Faculty & Student Papers Published by IEEE

GVU faculty and students have the following two papers published in the January 2007 issue of the IEEE Transactions on Visualization and Computer Graphics, a premiere publication in the field:

- "Interactive Tensor Field Design and Visualization on Surfaces" by Eugene Zhang, James Hays and Greg Turk.
- "Advections with Significantly Reduced Dissipation and Diffusion" by ByungMoon Kim, Yingjie Liu, Ignacio Llamas and Jarek Rossignac.

To view the January 2007 issue of IEEE and paper abstracts, [click here](#)

Ph.D. Student Receives GT Paper Award

ByungMoon Kim, who recently earned his Ph.D. from the College of Computing, was an award winner at the Georgia Tech Student Paper Competition sponsored by Science Applications International Corporation. Kim's paper titled "FlowFixer: Using BFECC for Fluid Simulation," can be viewed [here](#).

CoC Personnel Announcements For December 2006:

- John Stacey Grayson has joined CoC as an Administrative Coordinator in Facilities effective 12/6/06. His email address is jgrayson@cc.
- Heather Smith has joined CoC as a Computer Services Specialist III in TSO effective 12/4/06. Her email address is hsmith@cc.
- Nyree Pugh has joined CoC as an Administrative Assistant II in TSO effective 12/11/06. Her email address is npugh@cc.
- Andrew Sledge has joined CoC as a Computer Services Specialist III in TSO effective 12/13/06. His email address is asledge@cc.
- Anthony McCoy has joined CoC as a Tech Temp in Facilities effective 12/8/06. His email address is amccoy@cc.
- Carri Layhue's last day at CoC was 12/1/06.
- Sapan Bhatia's last day at CoC was 11/17/06.
- Ralph Merkle's last day at CoC is 12/31/06.
- Barbara Fasse's last day at CoC is 12/31/06.

New Alumni Council Chair Elected

In December, an Alumni Council meeting at Robert and Cheryl Krupczak's home witnessed the passing of the chairmanship gavel from Kipp Jones (MS '95) to Robert Krupczak (Ph.D. '97) for 2007.

Administrative News

New Klaus Building Contact Information

To minimize delays in mail delivery, please note the new mailing address and mail code for KACB: Klaus Advanced Computing

35%
Percent increase in current CoC new award totals compared to November 2004

Industry Outreach

This month various groups at CoC are pursuing partnerships with the following companies:

- **Aflac Inc.**
- **Apple Inc.**
- **EarthLink**
- **Home Depot**
- **Kuka Robotics**
- **Lockheed Martin**
- **Rockwell Collins, Inc.**

Georgia Institute of Technology
266 Ferst Drive
Atlanta, GA 30332-0765

Effective January 2, 2007, the new mail code for the Klaus Building is 0765. Mail not properly addressed will continue to be delivered to the CCB building for the addressee to pick up. For questions, contact Elizabeth Ndongi at 404-385-7070.

Laptops Required For CoC Students

As of Fall 2007, all College of Computing students will be expected to come to school with a laptop in their backpack. While every Georgia Tech student is required to come to campus with a computer as part of the mandatory "Student Computer Ownership" requirement, CoC is specifying that the computer must be a laptop. The new laptop ownership requirement will allow faculty to use recitation and lecture period as hands-on learning opportunities. In addition, the laptops will be necessary for the college's new introductory courses that use personal robotics.

CoC Creates New Computational Models Specialization

CoC faculty have created a new specialization called "Computational Models" for students completing the pre-Threads&trade degree requirements of the BS in computer science. This new specialization draws on many of the new classes that the Computational Science and Engineering division has established for their programs and for Threads&trade. Three special topic versions of those courses are available to students Spring semester 2007.

CoC iMovie Student Competition – Sponsored by Apple

Registration for the CoC's inaugural iMovie Student Competition themed "What Is The New Face of Computing?" begins in January, sponsored by Apple. Fifteen CoC teams will compete for 1st, 2nd and 3rd place with five-minute videos answering the question "What is the New Face of Computing?" Winners will be announced at a red carpet premiere after the New Face of Computing Symposium on March 2nd. More details about both events to follow during January and February. This event is not in association with Campus Moviefest.

2007 Computer Science & Computer Engineering Career Fair

Please encourage CoC students to mark their calendars for the Annual Computer Science & Computer Engineering Career Fair on February 14, 2007 in Georgia Tech's Student Center Ballroom. For additional information, [click here](#).

TSO & Research Collaborative Services

The college's Technology Services Organization and CoC researchers are working together on an initiative to offer such collaboration services as Mediawiki, Swiki and SVN via the web for the college's research customers. While the services are maintained mostly by the research community, TSO manages the server hardware, OS and backups. To learn more about the initiative, [click here](#). If you would like to volunteer to start a new service or help maintain an existing service, please contact Randy Carpenter at randy@cc.

New Semester, New Labs

Lab computers will be reloaded by January 15 with the software requested by CoC faculty for their classes. Many TAs are already working with TSO to assist students with relevant software, access, etc. If you are teaching or TA-ing a class that relies on one or more labs, please ensure that they are configured as needed and let TSO know of any problems immediately. The first few weeks of the semester are hectic, so early identification of issues is important.

New GT Catering Policy

Georgia Tech is now policing their catering policy therefore if you are using state or sponsored funds for ANY event, you must use a specific list of approved caterers or follow the instructions [here](#), and request a "catering exception." Even if your exception is approved, please be prepared to pay the 7% fee. You are ok to use your favorite caterer as long as the invoices are paid on GTF or unrestricted funds.

The Compiler is a publication of the Office of Communications under the editorial direction of [Joy Weeks](#).

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