

# The Compiler

News for the CoC Community

Issue 16 | August 2007 [View in a Web browser](#)

## Picture of the Month Summer in Barcelona

Undergraduate computing students toured the streets of Barcelona's Gothic Quarter this summer during the CoC Barcelona study abroad program. For more photos from Barcelona visit [Kenny St. Clair's blog](#) about his summer abroad experience. For more information about CoC study abroad opportunities, visit the [international study website](#).



## Event Spotlight

- August 17  
**Boot-Up! New Student Orientation**
- August 20  
**Fall Semester Begins**  
[vCal](#) - [iCal](#)
- August 20  
**UROC Research Presentations**
- August 26  
**CoC Student Leadership Retreat**
- August 26  
**WRC Welcome for Incoming Women Students**
- September 2  
**Labor Day - GT Closed**  
[vCal](#) - [iCal](#)

## Research News

### Proposed Contracts for June 2007

Total	\$ Amnt	IC	CS	CSE	GTISC	CoC
13	\$3,909,790	22%	62%	0%	8%	8%

### Newly Awarded Contracts for June 2007

Sponsor	Value	PI	Co-PIs	Title
Turner Broadcasting Systems Inc	\$73,447	Blair MacIntyre	Edward Price	Mobile Augmented Reality Game: Phase I
Samsung/Suwon	\$126,232	Santosh Pande	None	Samsung Tech Advanced Research Center (Star Center)
Kaiser Permanente	\$11,059	Santosh Pande	None	Reliability and Validity
Health Research Inc	\$30,675	Santosh Pande	None	D3Box - Training System for Brain-Computer Interface Control of 3D Applicat
NSF	\$45,000	Santosh Pande	Santosh Vempala	SGER: Routing & Topology for a New Internet
NSF	\$75,000	Santosh Pande	Greg Eisenhauer	I/O Virtualization - from Self-Virtualizing Devices to Meta-Data-Rich Info

## Numbers & Stats

# 198

Size of incoming freshman class

# 38%

Percentage of incoming CM students who are female

# 1370

Average SAT score for incoming freshman (an increase of 63 points from last year)



This month various groups at CoC are pursuing partnerships with the following companies:  
[Citadel Group](#)  
[Cut Out Hunger, Inc.](#)  
[Real-Time Technology Solutions, Inc.](#)  
[Macy's Systems and Technology Group](#)

### Closed Contracts for June 2007

Sponsor	Value	PI	Co-PIs	Title
Univ of North Carolina	\$356,371	John Stasko	None	Southeastern Regional Visualization and Analytics Center (RVAC)
NSF	\$23,622	Haesun Park	None	Algorithms: Collaborative: Development of Vector Space Methods for...
Scientific Systems Company	\$65,001	Santosh Pande	None	Intrusion Detection and Security Management Technologies for...

### Total 2007 Fiscal Year Overview

change from 2006

Total State Expenditures	\$21,829,322	+ 11%
Total Research Expenditures	\$18,398,076	+ 17%
Total Overhead Generated	\$4,117,413	+ 13%
Total New Awards	\$22,527,561	+ 54%
Total Proposals Submitted (count)	147	+ 16%
Total Proposals Submitted (value)	\$50,556,405	- 19%

### Web Science and High Performance Computing Receive Boost

Focused Research Program (FRP) funding has been awarded for proposals on high performance computing and web science, coordinated by College of Computing Associate Professor David A. Bader and co-coordinated by Associate Professors Amy Bruckman and Milena Mihail, respectively. An FRP is a grant given by the Georgia Tech Provost's Office for inter-departmental initiatives. In all, fifteen proposals across campus for FRPs were submitted, five of which were approved.

### SPARC Group Makes Strong Contribution to Top ACM SIGSOFT International Symposium on Software Testing and Analysis

Three papers from members of the SPARC Group were presented at the International Symposium on Software Testing and Analysis (ISSTA 2007), July 9-12 in London, UK. The Symposium is sponsored by the Association for Computing Machinery (ACM) Special Interest Group on Software Engineering (SIGSOFT), and is the premier conference on software testing and program analysis. The papers presented at the conference can be downloaded by ACM subscribers:

[Debugging in Parallel](#) - James A. Jones (presenter), James F. Bowring, and Mary Jean Harrold

[Automating Component-Based System Assembly](#) - Pete Manolios (presenter), Gayatri Subramanian, and Daron Vroon

[Dytan: A Generic Dynamic Taint Analysis Framework](#) - James Clause (presenter), Wanchun Li, and Alessandro Orso

[Visit the ISSTA '07 Website](#)

## People@CoC

### Mustaque Ahamad to Speak at AT&T Symposium

GTISC Director Mustaque Ahamad will present on "Security Challenges for Voice over IP Systems" at the AT&T University Collaborations Symposium, to be held in Florham Park, New Jersey, August 1-2.

[Visit the Symposium Agenda](#)

### Mike Hunter Attends Next-Gen Telecommunications Conference

Mike Hunter traveled to New York City for Columbia Principles, Systems and Applications of IP Telecommunications (IPTCOMM) at Columbia University. IPTCOMM is "a platform for

researchers from academia and research labs, industry and government to share their ideas, views, results and experiences in the field of IP-based telecommunication." The security of next-generation telecommunications is a key area for GTISC, and attending IPTCOMM made a lot of connections for GTISC and also provided lots of research to review.

[Visit the IPTCOMM Website](#)

### College of Computing Faculty Attend Microsoft Research Summit

Associate Professors David Bader, Tucker Balch, Frank Dellaert and Irfan Essa, and Assistant Professor Charles Isbell all participated in the Microsoft Research Faculty Summit 2007, held July 15-17 in Redmond, Washington. The summit brought together more than 400 thought leaders from academia, government, and Microsoft to discuss both the maturing of the computing disciplines and the range of open opportunities for research and development.

[Visit the Summit Website](#)

### David Bader's New Book To Be Released

Associate Professor David Bader's book "Petascale Computing: Algorithms and Applications" will be released in December by CRC Press. The book provides the first edited collection on petascale algorithms and applications for computational science and engineering and features solutions for scaling up algorithms that are currently in development.

[Visit the CRC Press Website](#)

### Sy Goodman Presents at US State Department

Professor Sy Goodman, joint with the Sam Nunn School of International Affairs, gave a two hour presentation on "ICT and Information Security in Africa" as part of a multiagency gathering at the US State Department on July 9. Professor Goodman also recently was a coordinator and speaker, with Granger Morgan, at a session on "Cybersecurity, Counterterrorism, and Homeland Security," during the 2007 MacArthur Grantees Meeting, AAAS Center for Science, Technology, and Security Policy in Washington, DC on June 27-29.

### New Faculty Members Starting Fall 2007

[Karen Liu](#), Assistant Professor, School of Interactive Computing (TSRB 318A)

[Andrea Thomaz](#), Assistant Professor, School of Interactive Computing (TSRB 236)

[Nathan Clark](#), Assistant Professor, School of Computer Science

[Hyesoon Kim](#), Assistant Professor, School of Computer Science

[Richard Vuduc](#), Assistant Professor, Computational Science and Engineering (Klaus 1334)

### Personnel Announcements

**Kathy Cheek** has joined CoC as an Administrative Coordinator in the RIM Center assisting Henrik Christensen effective 7/2. Her email address is [kathyc@cc](mailto:kathyc@cc), phone number is 5-3300 and is located in TSRB 238B

**Susan Hutcheson** has joined CoC as an Administrative Coordinator in Development effective today 7/23/07. Her email address is [shutch@cc](mailto:shutch@cc), phone number is 5-2384 and is located in CCB 150A

**Georgia Davidson's** last day was 7/13

**Steve Ferenci's** last day was 7/31

**Hyunsoo Kim's** last day was 7/2

**Brian Lynch's** last day was 7/27

## Administrative News

### Second Annual State of the College Address

The Second Annual State of the College Address will be given by Dean DeMillo on September 6th from 11:30 a.m. - 1:00 p.m. All faculty, staff and students are encouraged to attend. Mark your calendars!

[View the Event on the CoC Website](#)

### Office of Diversity and Community Co-Sponsors Leadership Conference

The CoC Office of Diversity and Community is co-sponsoring the annual conference of the Students and Technology in Academia, Research, and Service (STARS) Alliance, to be held at UNC Charlotte, August 10-15. The conference is a celebration of year one successes, networking with peers and colleagues, learning more about a wide array of topics in presentations, panels, sessions, and workshops and formulating the year two agenda. Please contact [Vickie Suggs](#), Program Manager, for more information.

**Attention All Students - Win \$100!**

The College of Computing and Kaneva are awarding \$100 each month for the best student video submission on Kaneva.com, the virtual 3D-world networking site. Do you have a cool project to tell us about? Join the CoC Kaneva community and submit your 2 minute videos to be voted on by the larger Kaneva community for a chance at the monthly prize.

[Visit the TechTube Video Expo Site on Kaneva](#)

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