

The Compiler

Internal News for Faculty & Staff

Georgia Tech College of Computing

Issue 3 | July 2006

Message from the Dean

It's been a long time coming and I'm very happy to announce the Klaus Advanced Computing Building opening is scheduled for October 23rd and 24th starting with a ribbon cutting ceremony in the atrium. We've all watched the progress of our new home with anticipation so a celebration is certainly in order and several activities are being planned by Communications and Development to honor Chris for his exceptionally generous gift to the college. Everyone's participation is welcome and encouraged—look for more details in the coming months on the website and here in the Compiler.



Student News

Summer Updates:

2006 SUMMER COMMENCEMENT CEREMONY CHANGE

The Master's and Bachelor ceremony WILL be held at the Alexander Memorial Coliseum on Friday, August 4, 2006. The ceremony will begin at 9 a.m. and end at 11 a.m. The ceremony is open to the public and no ticket is required.

The Ph.D. ceremony will be held at the Ferst Center for the Arts on Friday, August 4, 2006. The ceremony will begin at 7 p.m. and end at 8:30 p.m. TICKETS WILL BE REQUIRED FOR THIS EVENT. More details will be posted in May at <http://www.gatech.edu/commencement>.

COMPUTING'S INCOMING STUDENTS FOR FALL

New CoC Undergraduates:

- CS: 200 freshmen
- CM: 62 freshmen
- Total: 262 + (23 transfers) = 285

New CoC Graduates:

- MS: 130 (an increase from 75)
- PhD: 80 (an increase from 35-40)

*Fall classes start August 21, 2006.

Research Center News

GTISC's Howard Schmidt Becomes Tech's Second-ever Professor of Practice

GTISC's renowned cyber security expert is a Georgia Tech Professor of Practice, and the new president of ISSA's International Board of Directors. [Read entire article.](#)

CERCS News

CERCS is going to support several new joint university and industry research initiatives with the goal being to build larger joint research projects, develop additional industry partners and broaden ties with existing collaborators. CERCS continuing RFP includes:

- Hardware support for Virtual NICs/Blade Center consolidation, Sudha Yalamanchili with HP Labs
- Data integration and storage for health systems, Doug Blough with Children's Hospital and additional external partners in the future
- Seamless wireless services, Santosh Pande with Motorola

Multiple, funded university/industry research projects are already ongoing, and include the

Event Spotlight

July 4

Independence Day Holiday (GT closed)

July 10

FASET Orientation

July 17

FASET Orientation (transfer students)

July 20

FASET Orientation

July 27

FASET Orientation (freshmen)

Numbers & Stats

285

Number of new CoC undergraduates

130

Number of new CoC MS students

80

Number of new CoC PhD students

Industry Outreach

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

- ChoicePoint
- Coca-Cola
- Versign
- Symantec
- Earthlink Incorporated
- The Weather Channel

following faculty:

- Calton Pu, dynamic provisioning with HP Labs
- Karsten Schwan, scalable virtualization on multi-core machines with Intel Corporation
- Mustaq Ahamad, Wenke Lee, Karsten Schwan; Trusted Passages with Intel Corporation
- Ada Gavrilovka, Matt Wolf, Karsten Schwan, Hsien-Hsin Lee, instructional modules for multicore instruction, Intel Corporation
- David Bader, Ada Gavrilovska, Santosh Pande, Calton Pu, Karsten Schwan, heterogeneous multi-core programming, multiple efforts, with IBM and with Intel Corporation

For additional CERCS industry award news, go to <http://www.cc.gatech.edu/content/view/968/>

Division News

IIC's New Faculty

Santi Ontañón has joined the Interactive & Intelligent Computing division as a post doc working with Ashwin Ram. Santi started on May 25th and is working on Game AI technologies including case-based reasoning for real-time strategy games as part of Dr. Ram's DARPA Integrated Learning project.

Santi completed his studies in Computer Science at the Autonomous University of Barcelona (UAB) in 2000, and later acquired a Ph.D. in Artificial Intelligence at UAB in the Artificial Intelligence Research Institute (IIIA) of Barcelona. He then held the position of assistant professor at the University of Barcelona (UB) for 2 years. Santi's main areas of interest are multi-agent learning, case-based reasoning, meta-learning, ensemble learning, and relational learning.

IIC's Jim Foley is SAB member for Singapore's NRF

Jim Foley was selected as a member of the Scientific Advisory Board (SAB) to Singapore's new National Research Foundation (NRF). He attended the first SAB meeting in April. Other board members include Dr. Rita Colwell, John Seely Brown, Richard Newton, and Paul Saffo.

NRF's goal is long-term economic development in the areas of Biomedical Sciences, Environmental and Water Technologies, and Interactive and Digital Media. Key strategies are basic research, human resource development, and technology transfer. Funding is \$51B (\$630M) per year for the first five years.

IIC Papers

Ashwin Ram and Chip Mappus had a paper accepted at the 2006 Annual Conference of the Cognitive Science Society. Their paper is entitled "A Synapse Plasticity Model for Conceptual Drift Problem".

IIC's Wearable Computing Visitors from Korea

Jinho Yoo and Dongwoo Lee, two visitors from the Wearable Computing Research Team at Electronics and Telecommunications Research Institute (ETRI) in Korea will be joining Thad Starner on August 1. While at Georgia Tech with Thad, they will be researching mobile interfaces for computers and phones. Yoo and Lee will be here within IIC for six months.

CSS Welcomes Four New Faculty

The Computing Science & Systems division had a stellar recruiting year welcoming four new faculty to the college:

- Jonathon Giffin – Assistant Professor – Information Security
- Adam Kalai – Assistant Professor – Theory
- Yael Kalai – Assistant Professor – Cryptography
- Santosh Vempala – Full Professor – Theory

*Santosh and Jon will start in August; Yael and Adam will join us in August 2007 after spending the year at Weitzman and Microsoft Research.

CSE Chair's "Powerhouse Tour"

Computational Science & Engineering Chair Richard Fujimoto was invited by the Knoxville Alumni Club to speak about the College of Computing's research and graduate education partnership with Oak Ridge National Laboratories (ORNL/UT-Battelle). Fujimoto's talk is titled "Georgia Tech and Oak Ridge National Laboratory – A Partnership Making the Southeast a

Interactive (TWCi)

- KUKA Robotics
- GSE Systems, Inc.
- Cisco Systems, Inc.
- Sprint/Nextel

Supercomputing Powerhouse."

Office of Development News

The College of Computing received the following support from the Cisco University Research Program Fund:

- \$60k for Matt Wolf's research proposal High Performance Dynamic Communications
- \$75k for Keith Edwards' research proposal Human Centered Human Networking
- \$80k for Mostafa Ammar's research proposal Architectures & Protocols for Disruption Tolerant Mobile Wireless Networks

Cisco Systems, Inc. has also agreed to support an annual scholarship for underrepresented students to the tune of \$5k per year over four years (that's \$20k per student). This "Cisco Internet Generation Scholars" program will support two CoC students during the Fall semester with the hope of adding an additional two students per year for a maximum of eight CoC scholars.

New IPA members:

- AFLAC Corporation
- GSE Systems, Inc.

Renewing members:

- Federated Systems Group (FSG)

Office of Communications News

John David has been promoted to communications manager, with part-time responsibilities as creative director. On July 17th Matt Schaffer will start as our new graphic designer. Matt comes from Glaxo Smith Kline in Pittsburgh where he was in charge of the packaging and branding of Aqua Fresh! He also worked for the Carnegie Library as well as several long term freelance clients. Interesting factoid: the toothpaste swirl on all the AF packaging is called a "nurtle."

College Print Collateral Is Here

At long last, the team is wrapping up the CoC print collateral in early July. Look for a full package debut later in the month. Do you have an event or meeting requiring handout of college materials? Email [John David](#) with questions.

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