UNC touts new hires with data expertise

BY SETH WRIGHT STAFF WRITER

The School of Information and Library Science can now boast the \$10 million research portfolio of a world-renowned digital informa-

tion group.
The Data Intensive Cyber Environments group, recently recruited from University of California-San Diego, collects and organizes large amounts of data and keeps it in the most recent and usable format for use.

DICE's past projects have included earthquake simulation and biomedical brain imaging, but their UNC undertakings will be more academically minded. "We didn't bring the group here to operate in a similar environment,

we brought them in to operate in the academic environment," said José-Marie Griffiths, dean of SILS. DICE's new initiatives might

nclude genome projects and digital libraries. When DICE members came to

student interest was high.

Tooby, community development coordinator for DICE.

Soon, office space was created, salaries were offered, and UNC was able to persuade the world-renowned up to become Tar Heels

Four members of DICE will remain in San Diego working through a subcontract, but all oth-ers will move to North Carolina

throughout the year.
"Much of the work at DICE is going to be multi-institutional," Griffiths said. "We felt it was actually going to be good for them."

And much of their work will be

And much collaborative.

DICE will continue to work on old projects from the San Diego Supercomputer Center while taking on new academic initiatives at

"Our history is more coming from the science community," Tooby said. "This will open up more of the digi-tal library kinds of collaborations."

But Tooby also said DICE was involved with the sharing of their visit UNC in March, Griffiths said, dent interest was high. collected information, creating "The whole atmosphere seemed data grids that allow people all over

to be very energetic," said Paul the world to share information in an organized manne

Members of DICE that do move to North Carolina will be based in Chapel Hill's Renaissance Computing Institute, located on

"We're excited to have this very well-respected, world-renowned group here," said Karen Green, spokeswoman for RENCI. "We ok forward to some exciting collaborations with the DICE group

and with SILS in general."

Griffiths said that three mem bers of DICE already are at UNC and are becoming more familiar with the campus atmosphere while continuing to work on their previ-

The group is expected to take on their new digital creation projects soon, which Griffiths said will allow

SILS to move quickly.

"That will allow us to raise our own sights and our own expecta-tions of our own abilities," she

> Contact the University Editor at udesk@unc.edu.

State researches ethanol trees

BY JACKI HUNTINGTON

Research at N.C. State University could change the face of energy in the Southeast

Scientists are studying geneti-cally modified trees to see if they could be a viable, less expensive

Production is still in the early stages and most experts believe it's not quite ready to be a major fuel

The Midwest has explored cornbased ethanol for years, and if this research proves viable, it could bring about a more regionalized approach to energy, said Hasan Jameel, an NCSU professor of wood and paper science who is involved with the research.

"We have to learn to use what we have available," Jameel said, referring to the Southeast's wealth of forest resources.

However, there are many obstacles to this scientific venture that no number of trees can overcome.

"I think the supply's here; it's just a question of getting the technol-ogy," said Eddie Miller, assistant to the director of the N.C. office of the U.S. Department of Agriculture.

And these efforts come up against a yearly American appetite for gasoline that ethanol produc-

tion can't meet on its own.
Greg Carlisle, vice president of
Raleigh-based Clean Burn Fuels, called increased ethanol produc-tion of all kinds the "first step in a marathon.

Ethanol production reached 6.5 billion gallons in 2007. Virtually all that is produced is used as an additive to motor gasoline — replacing an old additive that was found to contaminate groundwater.

"We are currently filling an existing market demand," Carlisle said. A Hoke County ethanol plant

currently under construction by Clean Burn Fuels will be able to produce 63 million gallons of corn ethanol upon its completion in spring 2009, Carlisle said.

And once the N.C. State searchers know a bit more about the genetically-modified trees, too will be farmed and converted into ethanol in the Hoke County plant.
Carlisle said only minor modifi-

cations to the plant would be necessary in order to work with the modified trees.

Jameel estimated that the wood technology could become a viable commercial fuel option in just five

"I think that in 10 years you will see 10 percent of our motor fuel provided by biofuels," Carlisle said.

However, the marketability of biofuels depends on the continued costliness of petroleum-derived gasoline, he said. Gasoline prices have been a catalyst for increased biofuel exploration.

This research was the brain-child of N.C. State professor of forestry and environmental resources Vincent Chiang.

He began thinking about the genetic modification of trees wenty years ago, but the idea then was to create more suitable wood for pulp and paper produc-

Now the main focus is to produce ethanol from these trees, which is easier because of the genetic modi-

His shift in thinking came in 2002 and has since received substantial funding through grants. He has also collaborated with colleagues, using other materials such as switch grass for conversion to ethanol.

> Contact the State & National Editor at stntdesk@unc.edu.

Students gear up to fight anti-immigrant policy

BY REBECCA PUTTERMAN

Instead of merely regrouping after a three-month vacation, a student group found itself planning a summit on college access for undocumented immigrants at

its first meeting of the year.
When the Coalition for College Access members left in May, their strategy for fighting anti-illegal immigrant education policy had some loose ends.

But one member spent part of his summer planning a statewide conference and sprung the event on the group at Thursday night's

meeting.
"I know that's not what you expected tonight," the member, senior Nick Anderson, told the group as members delegated esponsibilities for the summit. No, this is what I wanted,"

N.C. Attorney General Roy Cooper's controversial opinion that N.C. community colleges should ban illegal immigrants came days

said junior Ron Bilbao, a coalition

after the spring semester closed, making it difficult for Coalition for College Access to take immediate

"We scrambled in May because we were worried about the summer session," Bilbao said. "Now, we have a second chance."

Some group members lob-bied legislators and attended N.C. Community College System meetings during the summer. They returned excited about getting involved again.

"Our administration and elected officials aren't going to stand up for this, so students have to lead this effort — so that our friends, our peers and people we don't even know, in the future will have the same education that we had," Bilbao said.

The coalition, composed of ESL

tutors, Latino mentors, migrant farm worker advocates and immigrants, is scrambling to plan a statewide convention at N.C. Agricultural and Technical State University in two weeks

Members plan to reach out to all 16 UNC-system college campuses to

for the conference.

"We need students to take a stand - choose a side," Bilbao said. "The conference is a great idea to see each other across the

The coalition also plans to bring a petition advocating higher edu cation access for undocumented immigrants it circulated last semester at UNC and other campuses.

The group hopes to use the summit for forming small enclaves of students who will lobby the N.C. General Assembly in January and present legislators with the statewide petition from UNC-system The coalition also wants to lobby

N.C. Community College System board members before the reconvenes in January. The board voted earlier this month for a closed-door policy toward undocumented immis until it conducts an independent study on the issue.

> Contact the State & National Editor at stntdesk@unc.edu.

Buy One, Get One Free! AUGUST 30TH & 31ST Tar Heel Blend Coffee, 2-oz \$1.79 ea Tar Heel Bookmark \$2.95 ea **Chocolate Tar Heel Lollipop** \$3.50 ea Tar Heel Cookie Box, 20-pc \$5.95 ea Carolina Musical Bottle Opener \$7.95 ea 11" Tar Heel Cutting Board \$14.95 ea Offer valid in our Chapel Hill store only. Not available Not valid on previous purchases. Cannot be combined w offers. Valid August 30 & 31, 2008, on listed items only A Southern Season University Mall · 201 S. Estes Dr · Chapel Hill 919.929.7133 · southernseason.com

FREE PEER TUTORING

Dey Hall, 2nd floor Tuesdays & Wednesdays, 6-9 pm

FALL 2008 SCHEDULE

Begins September 2 & 3 No tutoring October 14 & 15 (Fall Break) Final week: November 18 & 19

ONE-ON-ONE, DROP-IN ASSISTANCE FOR:

ANTH 142, 146 ARAB 101, 102, 203, 204 ART 101, 102, 103, 104, 105, 151, 152, 214, 314 **BIOC** 107

BIOL 101, 102, 201, 202, 205, 250, 252, 276, 278 **BUSI** 100, 101

CHEM 101, 102, 241, 261, 262 **CHIN** 101, 102, 111, 203, 204, 212, 305, 306, 313, 407, 408, 414, 462, 490, 496, 510, 590

CLAS 131 **COMP** 110, 401 DTCH 401, 402, 403, 404

ECON 101, 310, 320, 400, 410, 420, 480 **ENST** 201, 202

FREN 101, 102, 105, 111, 203, 204, 250, 255, 260, 300, 310, 350, 372, 375, 564, 565 **GEOG** 120

> GEOL 101, 105, 204 **GERM** 101, 102, 201, 202, 203, 204, 257, 301, 302, 303 **GREK** 101, 102, 203, 204 **HIST** 127, 128, 140, 151, 152, 158, 159, 162 INTS 210

ITAL 101, 102, 201, 202, 203, 204 JAPN 101, 102, 203, 204, 305, 306 JOMC 120, 130, 141, 153, 232, 340, 431

KOR 101, 102, 203 LATN 101, 102, 203, 204

LING 101, 200, 201, 202, 203

MATH 100, 110, 116, 117, 118, 119, 130, 132, 152, 230, 231, 232, 233, 381, 383, 521, 522, 550 MUSC 121, 131, 145 PHIL 101, 155

PHYS 100, 101, 104, 105, 116, 117 POLI 100, 101, 150, 209, 235, 238, 239, 276 PORT 101, 102, 201, 203, 204, 310, 323 PSYC 101, 220, 230, 240, 245, 250 **SOCI** 101, 122

SPAN 101, 102, 103, 104, 105, 111, 203, 204, 212, 250, 255, 260, 300, 310, 330, 340, 344, 345, 350, 354, 360, 371, 372, 373, 383 STOR 112, 151, 155, 355, 435

For additional help, try these resources:

The Math Help Center www.math.unc.edu/helpcenter.html The Tutor Board

The Writing Center www.unc.edu/depts/wcweb

The Chemistry Resource Center http://learningcenter.unc.edu/www.unc.edu/depts/acadserv/chem.html

The Physics Tutorial Center www.physics.unc.edullabs/content/PTCschedule.html

Sponsored by The Learning Center, 962-3782 http://learningcenter.unc.edu

games

Sudoku By The Mepham Group

© 2008 The Mepham Group. Distributed by Tribune Media Services. All rights reserved.

Complete the grid so each row, column and 3-by-3 box (in bold borders) con tains every digit 1 to 9. For strategies on how to solve Sudoku,

Solution to Thursday's puzzle

Touch downtown

University and town officials want football fans to spend time downtown. See pg. 1 for story.

Brick and mortar

The Board of Trustees approve plans for the Innovation Center at Carolina North. See pg. 3 for story.

Taking the test SAT scores in North Carolina

went up, but fewer students are taking the test. Go online for story. Jazz night

Extended Disaster Relief holds a jazz night to raise money for New

Orleans. Go online for story. **Power of protest**

state. See above for story.

Students plan to fight antiillegal immigration policies in the

THE Daily Crossword Edited by Wayne Robert Williams

ACROSS

A CHOSS

A Chos's first name?

4 Chevy model

10 Toothed strip

14 English privy

15 Sandy or Roberto of 16 1997 Peter Fonda title

16 199/ Feter 1 manager of the role of the

41 Poker-player's phrase 43 Digital image format 45 Recipe meas. 46 Assignation 47 Coach Riley 48 Fertile loam 50 Dawdle 52 QB Flutie 53 Long Island institution 56 Grave

59 Spendable salary 61 Sib for sis 62 Assns. 63 Northern Illinois University city 64 Nabokov book 65 Untidy state 66 "__Fideles" 67 Uh-huh

DOWN
1 Flutter
2 Actress Skye
3 Crosby movie
4 Minnelli film
5 Shepard and k

4 Minnelli film
5 Shepard and King
6 Part of MVP
7 Cty.
8 Vituperate
9 Wrinkle-free fabric
10 Pool hall item
11 Shoppe sign word

AGRA HORN HIDU
ERAS OREO ONAIR
ROPY ODES UNPEG
IWILL DEFEND SUE
ENDUSERS EIN
MAD VANILLA
WATST MYOPINION
ILO FEELS ART
TOTHELAST SPREE
STARLIT ATL
HIE ACREAGES
HEM DROPOFMYINK
ELEMI BAMA LMNO
RUNIN ICER ÉMIR
SLUNG SERF TEST

12 Stingy
13 Tunisian rulers
19 Cinema-chain name
21 River barrier
24 First Chief Justice
25 Sister's clothing
26 Astrologer Sydney
27 Media bus. grp.
29 Bobby Bloom hit
30 Print media
31 Stairway
34 Chopping tool
35 Devon river
37 Disprirted

39 Really likely
42 Infection type
44 Good gracious!
47 Put on a first coat
49 Nice assent
51 Valerie Harper sitcom
52 Distributed cards
53 Particle
54 Confront boldly
55 Med. tests for the heart
56 Resort spots
57 Pakistani tongue
58 Bar in a tub
60 ____ out (barely get by)

