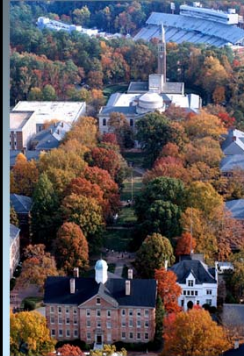


Welcome!

Fall 2011



Welcome to:

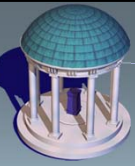
USA

North Carolina

Chapel Hill

UNC

Computer Science



Orientation

- Overview of department and graduate program
- Begin to get to know each other
- Information and advising session at 6PM
- **Monday: research project opportunities**
 - Beginning w/ introductions



3

Introductions!

- New students
 - where from (most recently, and home town)
 - some non-academic fact about yourself
- Monday
 - Faculty/staff introductions



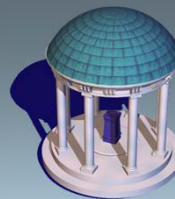
4



The University of North Carolina
at Chapel Hill

The first state university to open its
doors. First student '95.

That's February 12, 1795



Department of Computer Science

Founded in 1964 by Professor Fred
Brooks.

The second oldest free standing,
Ph.D. granting CS department.

Mission

Education
Research
Service

Education

M.S. and Ph.D. program (since 1965)
currently about 160 students

B.S. program (since 2001)
currently about 175 majors

B.A. program (brand new)



7

Educational themes

- Breadth
- Immersion
- Collaboration
- Learning by doing
- Learning from others
- Writing
- Teaching



Research areas

Algorithms and complexity theory
Assistive technology
Bioinformatics and computational biology
Computer graphics
Computer security
Computer-supported cooperative work
Computer vision
Databases and data mining
Distributed systems
Geometric modeling and computation
Hardware systems
High performance computing
Medical image processing
Multimedia
Networking
Physically-based simulation
Real-time systems
Robotics
Software engineering and environments
Theorem proving and term rewriting



Research themes

- Strive for critical mass within the department; peaks of excellence
- Work in teams of faculty, staff, and students
- Collaborate with others outside Computer Science
- Work on real driving problems whose solution does some good



10

Resources

Students
Faculty
Staff
Money
Infrastructure
Building



11

Fall 2011 Cohort

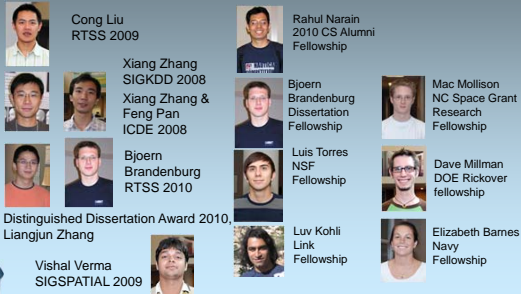
- There are 41 of you
- All top notch
- Selected from 683 applicants!



12

You're joining a great group!

Recent best paper award winners & fellows



13

Resources

Students
Faculty
Staff
Money
Infrastructure
Building



14

Faculty

- Stan Ahalt
- Ron Alterovitz
- James Anderson
- Sanjoy Baruah
- Gary Bishop
- Fred Brooks
- Prasun Dewan
- Jan-Michael Frahm
- Henry Fuchs
- Kye Hedlund
- Kevin Jeffay
- Vladimir Jojic
- Anselmo Lastra
- Lana Lazebnik
- Ming Lin
- Dinesh Manocha
- Ketan Mayer-Patel
- Leonard McMillan
- Fabian Monrose
- Tessa Nicholas
- Marc Niethammer
- Steve Pizer
- David Plaisted
- Diane Pozefsky
- Jan Prins
- Tim Quigg
- Mike Reiter
- Jasleen Sahni
- Montek Singh
- Don Smith
- Jack Snoeyink
- David Stotts
- Martin Styner
- Russell Taylor
- Leandra Vicci
- Wei Wang
- Greg Welch
- Mary Whitton

15

Resources

Students
Faculty
Staff
Money
Infrastructure
Building



16

Staff

Technical staff: 12
+ undergraduates

Administrative staff: 13

17

Resources

Students
Faculty
Staff
Money
Infrastructure
Building

18

Old joke:

At first we were a state **supported** department

Then a state **assisted** department

Now, a state **located** department.



19

Department budget for 2010-11

● Research Contracts and Grants (federal)	\$9,365,658	44%
● State of North Carolina	\$6,458,942	30.5%
● Trust (Industry/Royalties/Gifts/Fellowships/Professorships)	\$4,068,650	19%
● Earned IDC and Recharge Center	<u>\$1,359,986</u>	6.5%
Total	\$21,253,236	



*Total does not include equipment and software donations



20

Resources

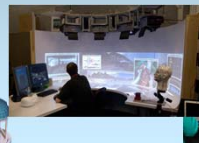
Students
Faculty
Staff
Money
Infrastructure
Building



21

Facilities and equipment

- Laboratories
- Computers
- Projectors/Big Displays
- Specialized equipment and tools



22

BASS supercomputer



23

Resources

Students
Faculty
Staff
Money
Infrastructure
Building(s)



24

Computer Science



J. Carlyle Sitterson Hall
(1987)

Frederick P. Brooks, Jr.
Computer Science Building
(2008)



25

This is a great place!

- Great research and learning opportunities
 - more about some research projects on Monday
- Great facilities
 - infrastructure, gadgets, offices, equipment
- Great working environment
 - congenial, collegial, collaborative, and exciting
- Great place to live!



26

Help us keep it great!

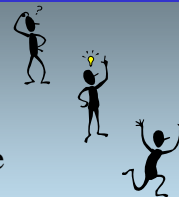
- Contribute to the department missions
- Work together
- Work hard **and** have fun!



27

You will be involved in...

- ➔ Education
- ➔ Research
- ➔ Governance



28

Your job for the next few days

- Get acquainted
- Choose courses and identify interests
 - Talk to your academic advisor
 - For those who can't (or have more questions): individual advising, today 6:00-8:00 & as-needed
 - Register by 5:00PM on Monday
- Get going on a great journey!



29

Coming up...

- Details on the department
 - Offices, facilities, etc.
- Details on the academic program
 - Structure, flexibility, requirements, advice
- Pizza
- Open advising session
 - (more advising time on Friday if necessary)



30