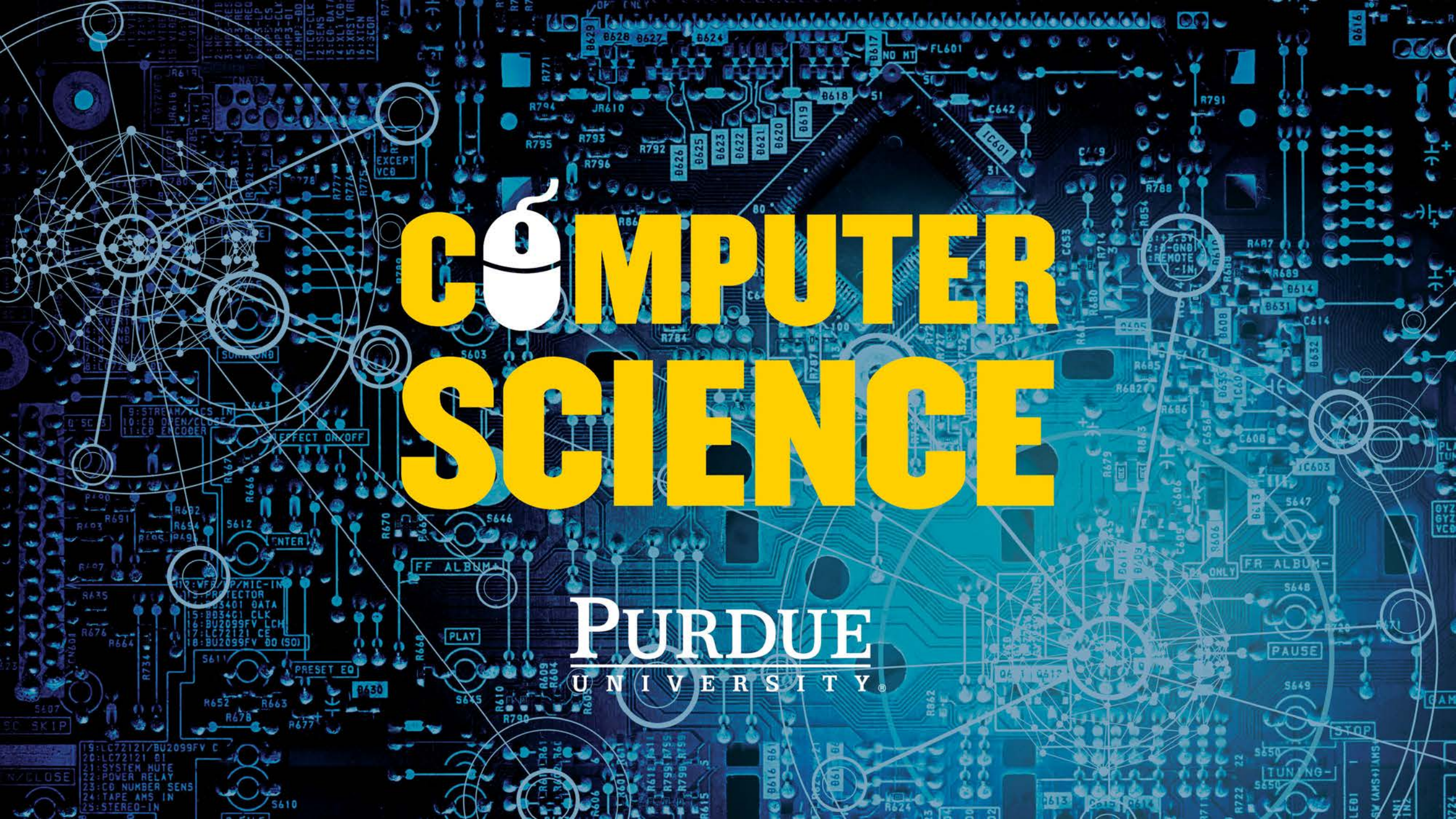
COMPUTER
SCIENCE
PURDUE
UNIVERSITY


Calgary
Vancouver
Winnipeg
ONTARIO
QUEBEC
WASHINGTON
MONTANA
NORTH DAKOTA
MINNESOTA
Ottawa
Montreal
PE
NOVA SCOTIA
MAINE
VT
NH
MA
CTRI
NEW YORK
SOUTH DAKOTA
WISCONSIN
MICHIGAN
Toronto
OREGON
IDAHO
WYOMING
IOWA
NEBRASKA
ILLINOIS
OHIO
INDIANA
NEVADA
UTAH
United States
KANSAS
MISSOURI
WEST VIRGINIA
MD
DE
NJ
VIRGINIA
CALIFORNIA
Las Vegas
OKLAHOMA
TENNESSEE
NORTH CAROLINA
Los Angeles
ARIZONA
NEW MEXICO
Dallas
MISSISSIPPI
SOUTH CAROLINA
Phoenix
San Diego
TEXAS
GEORGIA
San Antonio
LOUISIANA
Houston
Gulf of California
FLORIDA
Monterrey
Gulf of Mexico
Mexico
Havana
Cuba
Guadalajara
Mexico City
Dominican Republic
Puerto Rico
Guatemala
Caribbean Sea
Guatemala
Nicaragua
Maracaibo
Caracas
Costa Rica
Panama


Chicago
West Lafayette
Indianapolis
Lafayette
ONTARIO
QUEBEC
Ottawa
Montreal
Toronto
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NEW YORK
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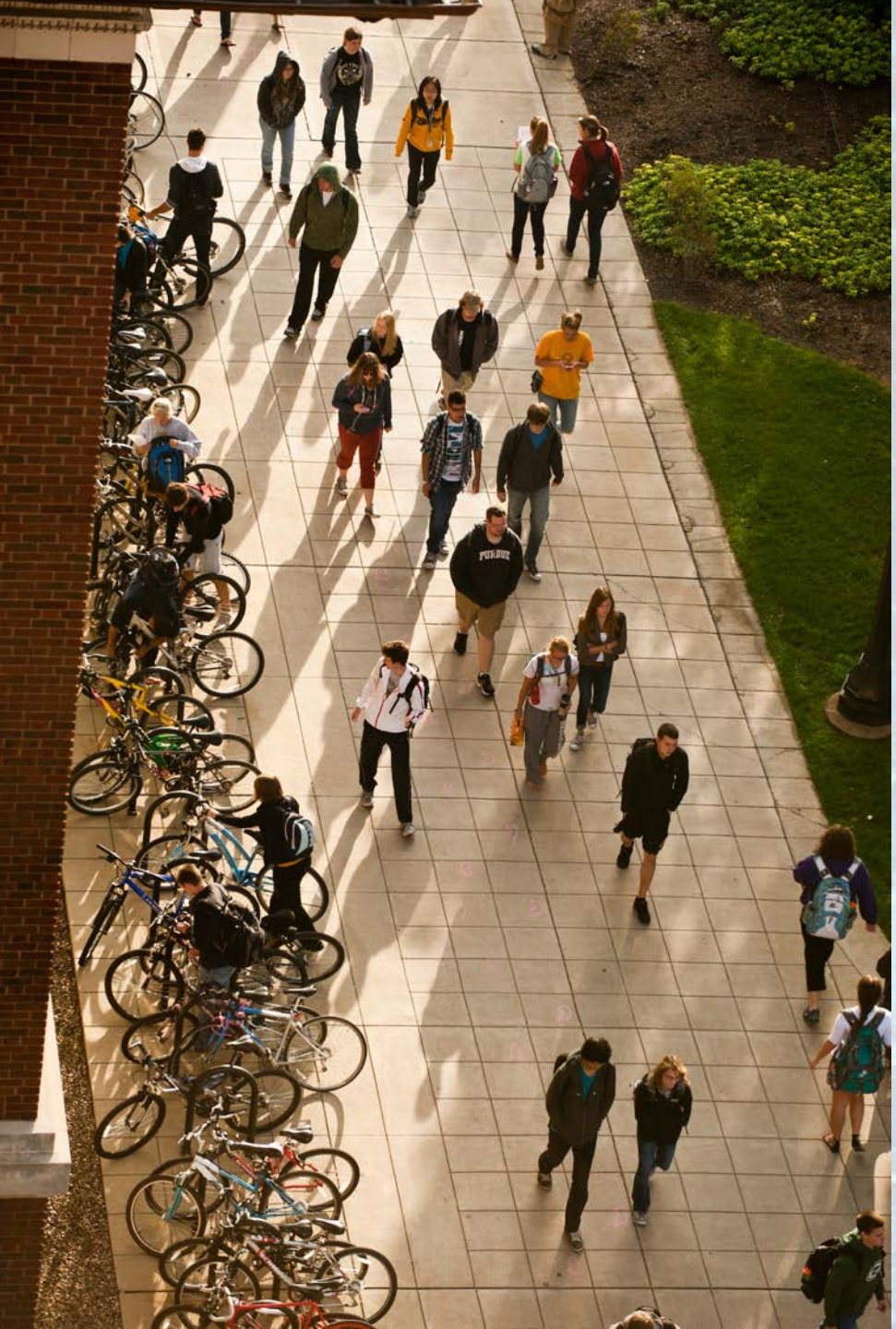
Kalamazoo
Portage
Three Rivers
South Bend
Elkhart
Mishawaka
Goshen
Gary
Merrillville
Michigan City
Naperville
Joliet
Warsaw
Kankakee
Wabash
Logansport
Peru
Marion
Kokomo
Champaign
Danville
Anderson
Carmel
Fishers
Tuscola
Paris
Brazil
Terre Haute
Marshall
Mattoon
Charleston
Greenwood
Shelbyville

LOCATION

- in West Lafayette, Indiana
- 122 miles southeast of Chicago
- 65 miles northwest of Indianapolis


CHASE
CHASE
Lafayette
& COOLING



FACTS ABOUT PURDUE

- Public, doctoral-granting research university
- Purdue has the fourth-largest number of international students among U.S. public institutions
- **1,820** tenured/tenure-track faculty
- **30,043** undergraduate students
- **9,461** graduate students
- **40.4%** graduate women
- **40%** international graduate students
- **123** countries (entire student body)


PURDUE UNIVERSITY
FOUNDED 1869
PURDUE
7
P
BOILERMAKER Special


PURDUE
WELCOME TO
ROSS-ADE
STADIUM
51:10


TM
PURDUE


USA
NASA
Endeavour


NASA
ARMSTRONG

PURDUE: "CRADLE OF ASTRONAUTS"

- 24 Purdue grads have been selected for space travel
- Purdue alumni astronauts include the first and most recent astronauts to walk on the moon
- Purdue's Armstrong Building is named after Neil Armstrong (statue at left)

CULTURAL LIFE

- Purdue Convocations
- Purdue Repertory Dance Company
- Purdue Symphony Orchestra
- Black Cultural Center performing ensembles
- Purdue Theatre
- Purdue University Bands


RESERVED
500
24 HR.


Move
Your Feet
BOILER
Kelsie


GO BREW
FREE
HUGS

DEPARTMENT HISTORY

- Founded in 1962, Purdue's Department of Computer Science is the world's oldest existing computer science department

sponsored research projects. There are essentially no restrictions on the usage of these facilities by members of the staff of the University and students formally enroll

An order ced disk file and a used to meet th and/or data pr of research acti

The Computer Sciences Center staff has the responsibility of operating equipment in the Computer

III. THE COMPUTER SCIENCES DEPARTMENT

In September 1962, Purdue University announced the formation of a Computer Sciences Department in the Division of Mathematical Sciences. The Department has the following responsibilities:

1. To provide instruction leading to the M.S. and Ph.D. degrees in selected areas of the computer sciences. A major in computer sciences at the undergraduate level is also available as an option in the Division of Mathematical Sciences.
2. To carry on research in selected areas of computing including numerical analysis, information and programming systems, artificial intelligence, logic and theory of automata.
3. To make available instruction in programming and in the use of computers to all students in the engineering, physical, and social sciences.

Students are currently being accepted for enrollment in this program. The staff of the Department at the present time consists of seven professors.

Two new appointments were made in 1963:

Prof. J. R. Buchi, formerly with the University of Michigan, whose interests are in logic and theory of automata, and Prof. W. Gautschi, formerly with the Applied Mathematics Group, Oak Ridge National Laboratory, whose interests are in numerical analysis.

The Academic Staff:

Computer Sciences

R. Kenyon, Ph.D., Assistant Professor of Mathematics and Computer Sciences

K. S. Fu, Ph.D., Assistant Professor of Electrical Engineering

M. Golomb, Ph.D., Professor of Mathematics

I. Marx, Ph.D., Associate Professor of Mathematics

J. S. Maybee, Ph.D., Assistant Professor of Mathematics

IV. THE EDUCATIONAL PROGRAM

An integrated educational program has been established in two major areas: numerical analysis; information and programming systems. A program in a third major area, logic and automata theory, is in the final stages of formalization. Courses which are currently being offered or will be offered during the coming year include:

Undergraduate

CS 200 Laboratory on Programming for Digital Computers

CS 210 Laboratory on Data Processing

CS 400 Introduction to Programming for Digital Computers

CS 414 Introduction to Numerical Analysis

Graduate

CS 514 Numerical Analysis

CS 515 Numerical Analysis of Linear Systems

CS 520 Mathematical Programming

CS 580 Introduction to Data Processing

CS 600 Advanced Programming Systems I

CS 601 Advanced Programming Systems II

* * *

CS 581 Elements of Mathematical Logic and Tu Machines

CS 582 Mathematical Theory of Finite Automat

CS 584 Recursive Functions I

CS 585 Mathematical Logic I

CS 681 Artificial Intelligence

CS 684 Recursive Functions II

CS 685 Mathematical Logic II

V. SEMINARS AND COLLOQUIA

Regular seminars are held during the year in selected topics in numerical analysis, programming systems, algorithmic languages, logic and automata theory. The colloquium series features invited speakers who report on recent advances in various areas of the computer sciences.

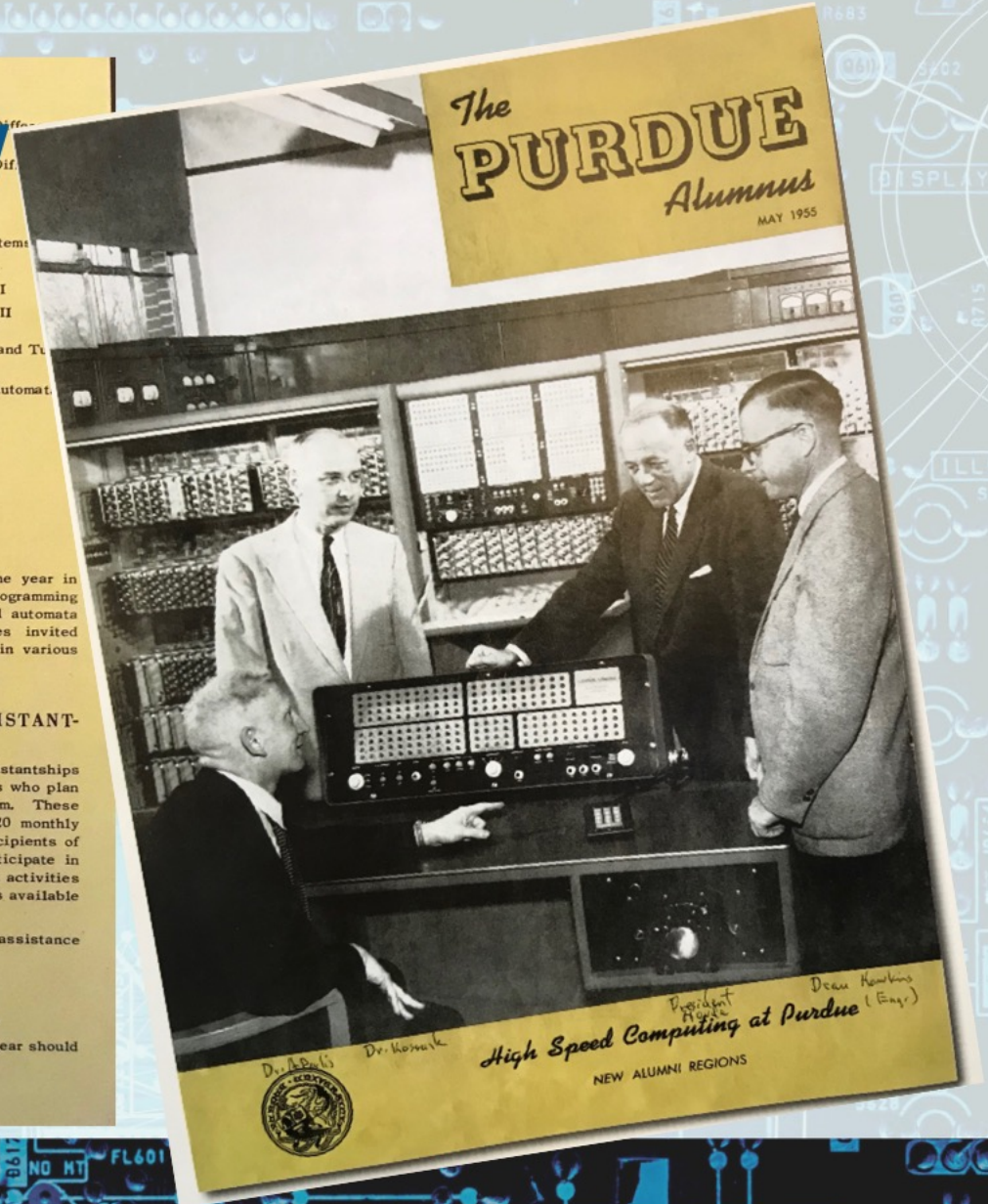
VI. GRADUATE RESEARCH ASSISTANTSHIPS AND FELLOWSHIPS

A number of graduate research assistantships are available to properly qualified students who plan to enroll in the Computer Sciences Program. These positions carry a minimum stipend of $220 monthly with partial remission of tuition fees. Recipients of graduate research assistantships will participate in various ways in the educational and research activities of the Center. Other financial assistance is available through a limited number of fellowships.

Inquiries concerning applications and assistance should be directed to:

Office of the Director
Computer Sciences Center, ENAD
Purdue University, Lafayette, Indiana

All applications for the 1963–64 academic year should be submitted by March 15, 1964.



PURDUE UNIVERSITY

COMPUTER SCIENCE

LAWSON COMPUTER SCIENCE BUILDING

PURDUE UNIVERSITY

COMPUTER SCIENCE

LAWSON COMMONS

MAJOR RESEARCH GROUPS

CERIAS — The Center for Education and Research in Information Assurance and Security

www.cerias.purdue.edu

Purdue University Programming Languages Group

purduepl.github.io

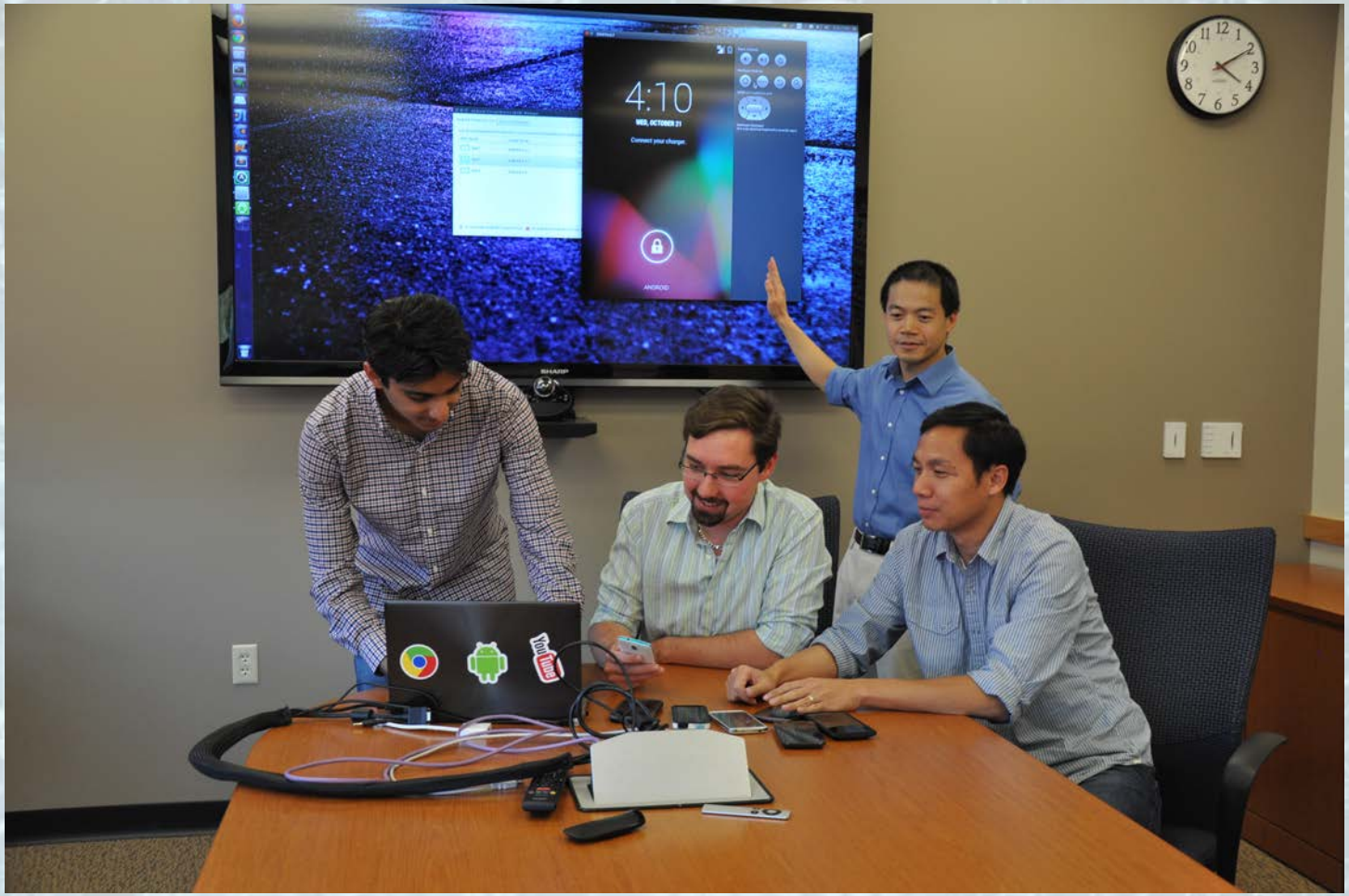
THEORY@CS.PURDUE SCIENCE

theory.cs.purdue.edu

minds.cs.purdue.edu

FACULTY MEMBERS

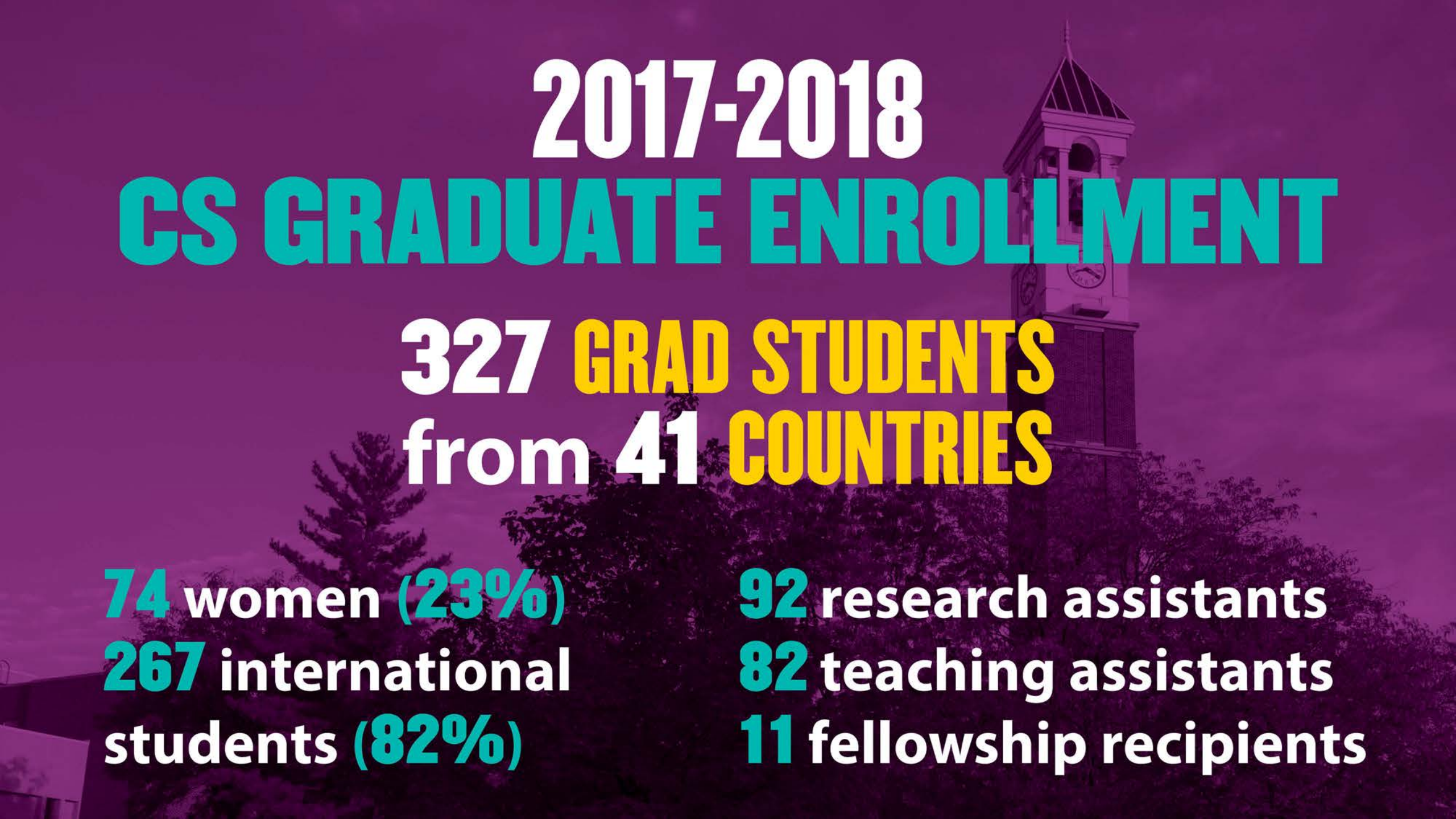
55 graduate faculty
- 24 full professors
- 10 associate professors
- 21 assistant professors

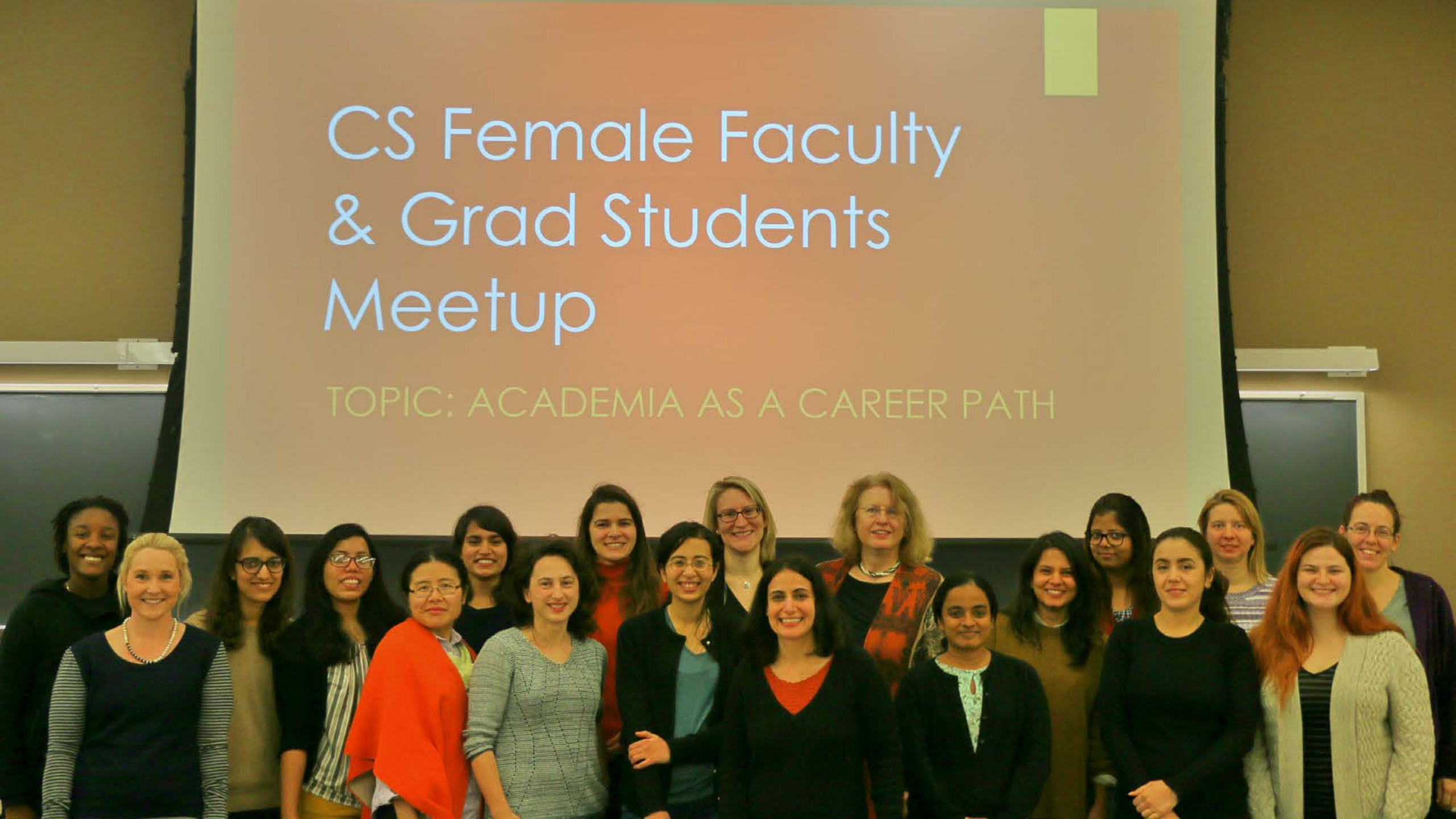


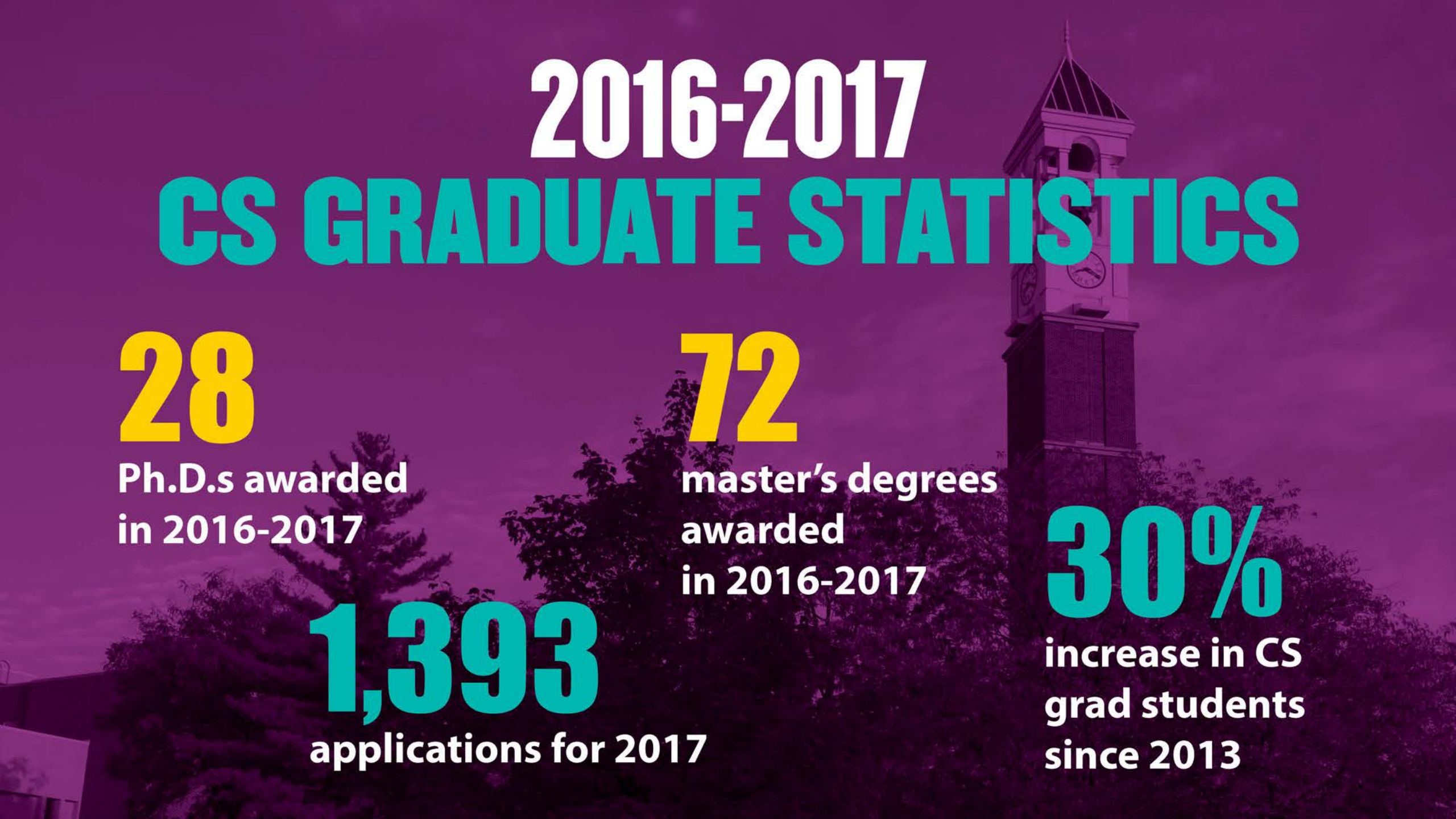
DESTINATIONS

Students graduating with a Ph.D. or an M.S. have accepted positions at:

- University of Illinois Urbana-Champaign
- Georgia Tech
- Northeastern University
- Google
- Microsoft
- Apple
- Facebook
- Amazon
- MIT Media Lab
- Intel
- IBM Research


2017-2018
CS GRADUATE ENROLLMENT
327 GRAD STUDENTS
from 41 COUNTRIES
74 women (23%)
267 international students (82%)
92 research assistants
82 teaching assistants
11 fellowship recipients


CS Female Faculty
& Grad Students
Meetup
TOPIC: ACADEMIA AS A CAREER PATH


2016-2017
CS GRADUATE STATISTICS
28
Ph.D.s awarded in 2016-2017
72
master's degrees awarded in 2016-2017
30%
increase in CS grad students since 2013
1,393
applications for 2017

FINANCIAL ASSISTANCE

- All of our grad students are funded
- Grad assistant salary starts at $1,988
- Cost of living in Lafayette is low compared to larger cities
- Summer internships
- Medical insurance is highly subsidized
- Tuition is remitted for grad assistants and fellows

FACILITIES

For example:

- New data science large memory cluster:
  2 nodes, 192 cores, 6TB RAM

- New GPU cluster:
  8 nodes, 32 GPUs

CS GRADUATE CURRICULUM

- Doctoral Program
- Master's Program
- Professional MS in Information Security
- Multi-departmental Programs
  - Computational Science and Engineering
  - Computational Life Sciences
  - Statistics-Computer Science Joint Masters

CS GRADUATE CURRICULUM

Master's program

10 three-credit courses or

8 three-credit courses and a thesis

Doctoral program

3 research courses

6 three-credit courses

Core course requirement and research

Preliminary examination

Thesis

ADMISSION CRITERIA

- CS course background
- Recommendation (or nomination) by your university
- GPA (transcript)
- TOEFL score (required by Purdue's Graduate School)

RESEARCH AREAS

- Bioinformatics and computational biology
- Computational science and engineering
- Databases and data mining
- Distributed systems
- Graphics and visualization
- Information security and assurance
- Machine learning and artificial intelligence
- Networking and operating systems
- Programming languages and compilers
- Software engineering
- Theory of computing and algorithms

PURDUE UNIVERSITY

COMPUTER SCIENCE