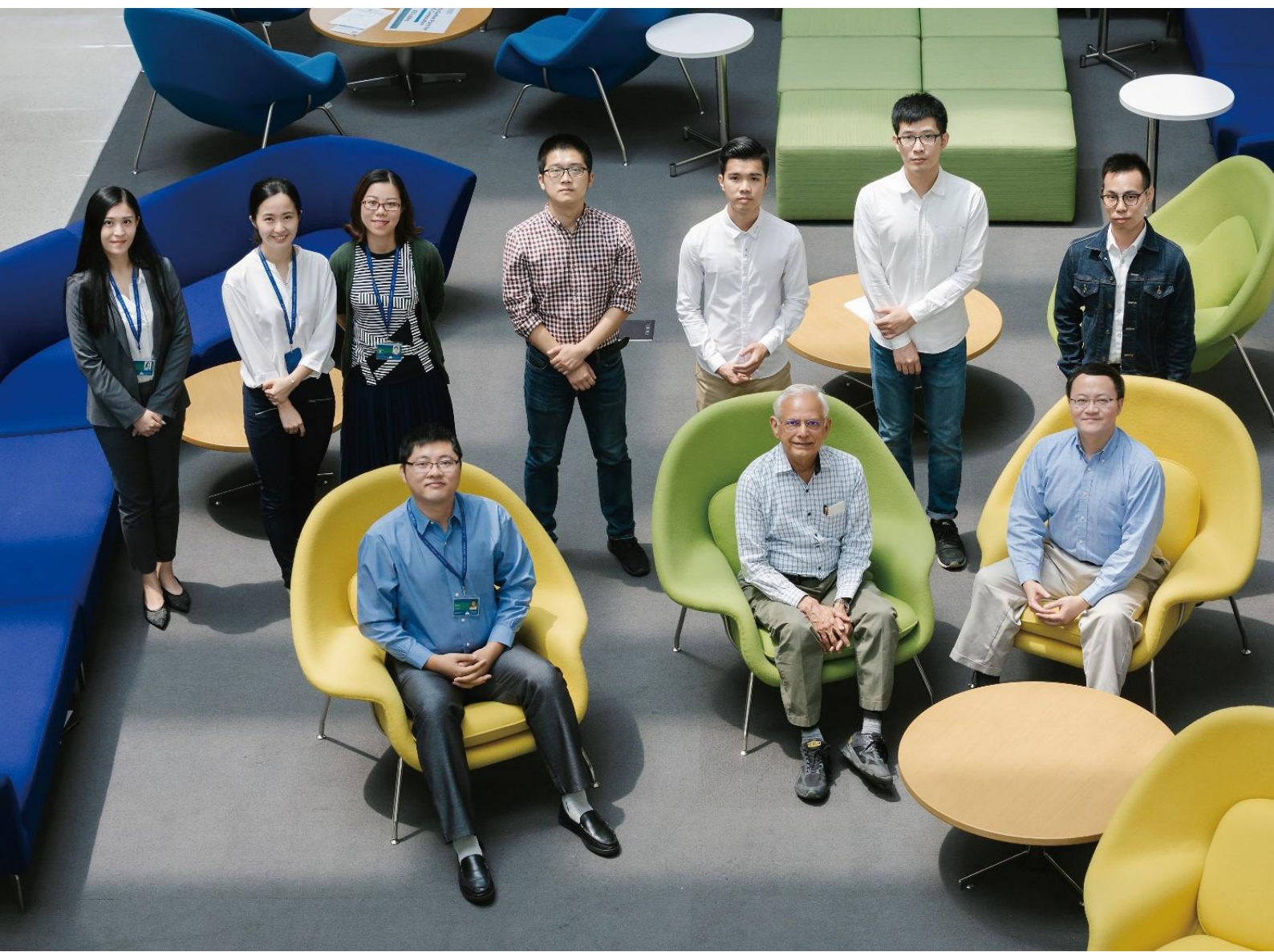


昆山杜克大学宣讲会 6月5日18:00 图文信息中心第二报告厅

# MASTER OF ENGINEERING IN ELECTRICAL AND COMPUTER ENGINEERING

Kunshan China & Durham, US



# WHY ECE @ DUKE KUNSHAN?

## DUKE DEGREE:

Upon completion of degree requirements, students will receive a Duke Master of Engineering (MEng) degree.

## ACCESS TO DUKE UNIVERSITY:

Students are expected to be at Duke University during the second year, with full access to Duke resources.

## ACCESS TO US JOB MARKET:

While students spend their second year at Duke, they are eligible for Optional Practical Training (OPT) in US.

## NETWORKING AND INTERNSHIP OPPORTUNITIES:

Students are connected to multi-national companies via social events and summer internship, growing competitiveness on global job market.

## WORLD-CLASS FACULTY:

Faculty members are recruited from top-tier universities around the world and are internationally renowned experts of education and research.

## INTERDISCIPLINARY CURRICULUM:

In addition to engineering courses, our program offers a series of courses covering industry management and business fundamentals.



Duke Kunshan University is a Sino-American partnership between Duke University, which consistently ranks in the top ten of all American universities, and Wuhan University, named among China's ten best universities by the Chinese University Alumni Association. Through Duke's singular commitment to bring its best resources and culture of excellence, Duke Kunshan delivers a Duke education in the global center that is China today.



## Xin Li, Ph.D., IEEE Fellow

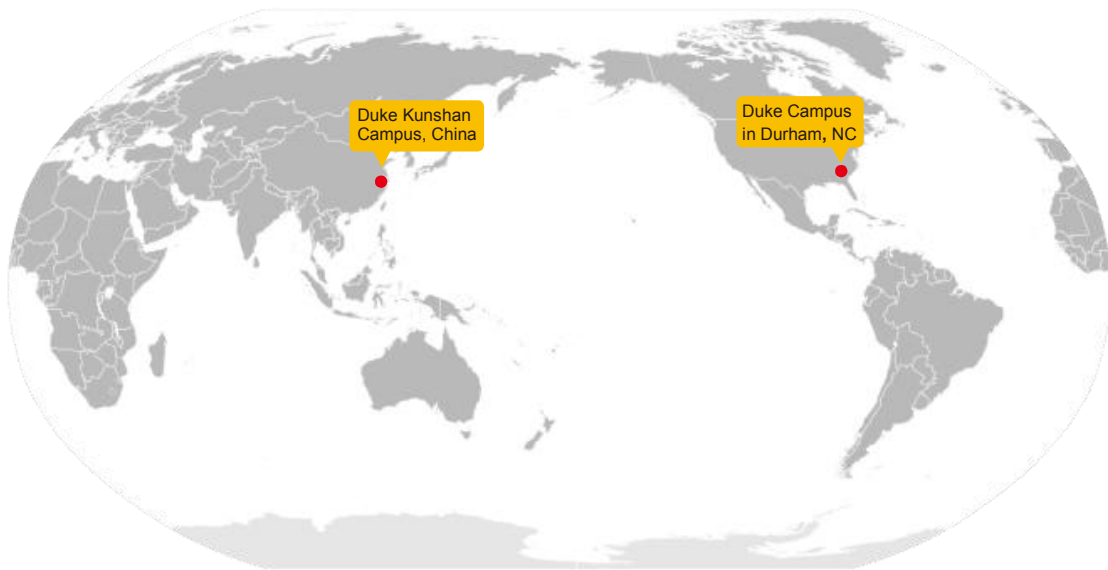
Professor, Electrical and Computer Engineering, Duke  
Professor, Electrical and Computer Engineering, DKU  
Director, Master of Engineering Program in ECE, DKU  
Director, Institute of Applied Physical Sciences and Engineering, DKU  
Director, Data Science Research Center, DKU





# TWO SUPERB LOCATIONS

You will begin the DKU ECE Master of Engineering (MEng) program at the Institute of Applied Physical Sciences and Engineering (iAPSE) in Kunshan. Kunshan lies in the heart of the Yangtze River Delta Region, one of the most developed areas in China, with close proximity to Shanghai and Suzhou – just 20 minutes away by high-speed train. Widely considered as a successful model for China's social and economic development, Kunshan has attracted a number of Fortune 500 companies and other leading enterprises.



You will spend the second half of the program at Pratt School of Engineering at Duke in Durham, North Carolina, a 9,000 acre campus renowned for its beautiful architecture and mission of "knowledge in service to society." Durham is recognized as a great place to live, consistently ranked as an excellent location for business and careers, along with first-rate restaurants, hometown sports, and countless cultural offerings.



# CURRICULUM

## FOCUS AREA: SOFTWARE DEVELOPMENT

### Core:

Fundamentals of Computer Systems and Engineering  
C++ Programming, Data Structures and Algorithms  
Systems Programming and Engineering  
Software Engineering

### Electives (Incomplete List):

Compiler Construction  
Operating Systems  
Computer Networks and Distributed Systems  
Mobile Application Development  
Cloud Computing

### Industry Preparatory Courses:

Management of High Tech Industries  
Business Fundamentals for Engineers

## FOCUS AREA: BIG DATA ANALYSIS

### Core:

C++ Programming, Data Structures and Algorithms  
Random Signals and Noise  
Vector Space Methods with Applications  
Pattern Classification and Recognition Technology

### Electives (Incomplete List):

Deep learning  
Bayesian Methods and Modern Statistics  
Digital Signal Processing  
Computer Vision  
Textual Data Acquisition and Analysis

### Industry Preparatory Courses:

Management of High Tech Industries  
Business Fundamentals for Engineers

## PROGRAM AT A GLANCE

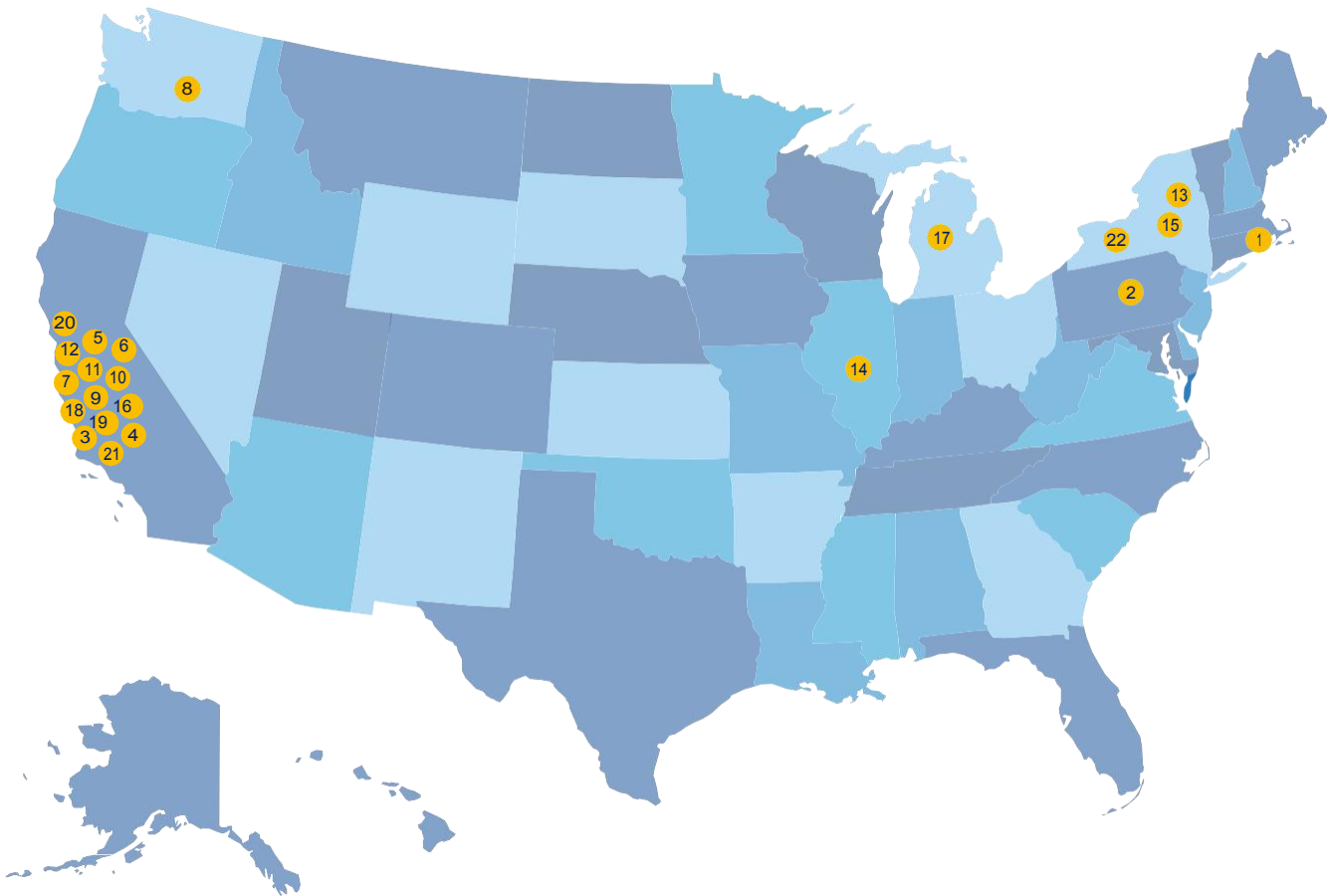
| First Year (Duke Kunshan University, China) | Second Year (Duke University, US)          |
|---|--|
| 4 technical courses                         | 4 technical courses                        |
| Language and professional training courses  | Language and professional training courses |
| Summer internship                           | 2 industry preparatory courses             |

## DUKE MENG PROGRAM vs. DKU MENG PROGRAM

|        | Duke MEng Program  | DKU MEng Program   |
|--------|--|--|
| Year-1 | Course work (US)<br>Tuition: ~\$50K per year             | Course work (China)<br>Tuition: ~\$25K per year          |
| Year-2 | Course work (US)<br>OPT (US)<br>Tuition: ~\$50K per year | Course work (US)<br>OPT (US)<br>Tuition: ~\$50K per year |

# JOB PLACEMENTS

- |  |  |   |  |
|--|--|---|--|
| 1  Schneider  | 2  SAP            | 3  NVIDIA          | 4  Ambarella™ |
| 5  airbnb     | 6  yelp           | 7  UBER           | 8  Microsoft  |
| 9  flex       | 10  DUKE ENERGY   | 11  CISCO         | 12  ORACLE®   |
| 13  Bloomberg | 14  akuna capital | 15  Deutsche Bank | 16  Qualcomm  |
| 17  GM        | 18  Google        | 19  intel          | 20  f         |
| 21  SAMSUNG   | 22  IBM           |   |  |



Graduates of the master's programs at Duke ECE received an average annual salary of \$107,729 in 2017



# APPLICATION

## Admission Requirements

- » Completed Online Application
- » GRE Score
- » Transcripts
- » Essays & Short Answer Questions
- » Resume
- » Letters of Recommendation
- » TOEFL or IELTS Score

## Admission Profile

|               |     |
|---------------|-----|
| Average GRE   | 325 |
| Average GPA   | 3.6 |
| Minimal TOEFL | 90  |
| Minimal IELTS | 7.0 |

## Deadline

All applications must be submitted through our online application portal. The deadline for applications is January 15, 2019. We will review the applications and make admission decisions in spring 2019.

## More information:

<https://dukekunshan.edu.cn/en/academics/ece/admissions/how-to-apply>





# ABOUT DUKE ECE

## About Duke:

- » Ranked #9 by US News in 2018
- » Founded in 1838 with endowment \$7.9B (2017)
- » 6532 undergraduate students
- » 8660 graduate and professional students
- » Tuition: \$53,780 per year
- » 1670 tenure-track faculty members
  - 988 full professors
  - 454 associate professors
  - 228 assistant professors
- » 35.17 km<sup>2</sup> in size
- » 256 buildings on campus
- » 167,848 alumni
- » Distinguished alumni
  - Richard Nixon
  - Tim Cook
  - Melinda Gates

## About Duke ECE:

- » 32 tenure-track faculty
- » \$21.2 million research grant (FY 2017)
- » 151 PhD students
- » 83 Master students
- » 217 undergraduate students
- » #1 in U.S. faculty research productivity in computer engineering and #8 in electrical engineering
- » Top 10 best school for engineering majors by salary potential
- » #17 computer engineering graduate program



“ Duke's Department of Electrical and Computer Engineering is the home of world-class teaching and research, with a focus on the broad areas characteristic of a leading electrical and computer engineering department. ”



## Krishnendu Chakrabarty

Chair, Electrical and Computer Engineering  
William H. Younger Professor of Engineering

[www.dukekunshan.edu.cn](http://www.dukekunshan.edu.cn)



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**Duke**  
PRATT SCHOOL *of*  
ENGINEERING