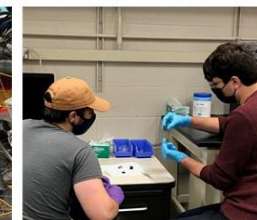
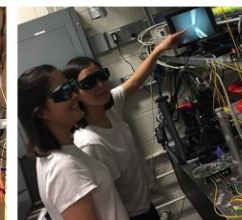
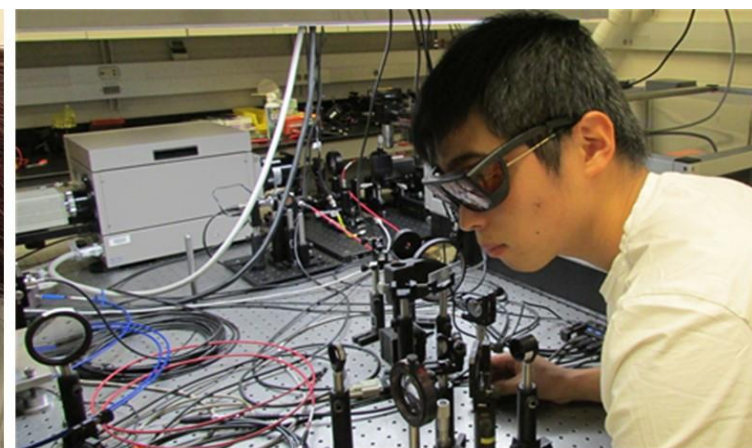
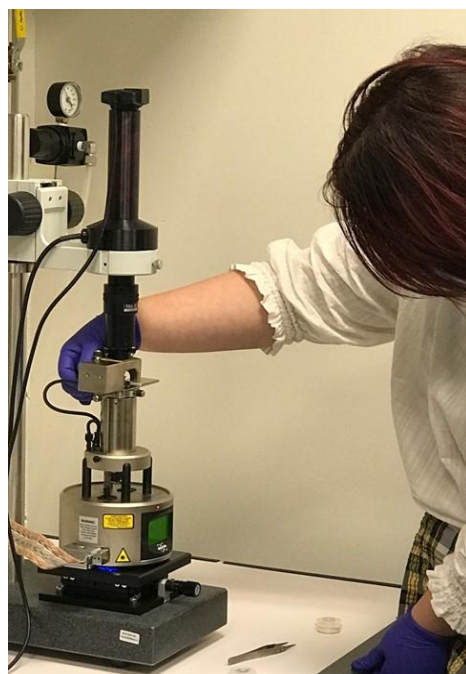
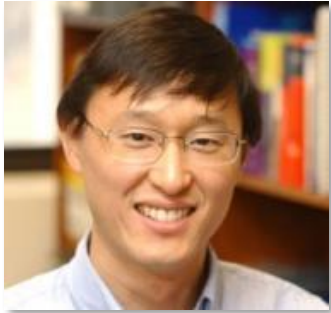


# Department of Applied Physics

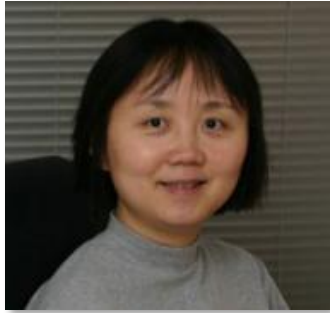


Yale University

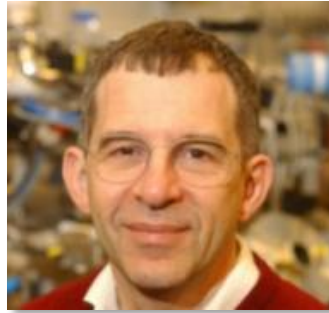
# Department of Applied Physics



Charles Ahn



Hui Cao



Michel Devoret



Yu He



Sohrab Ismail-Beigi



Simon Mochrie



Owen Miller



Vidvuds Ozolins



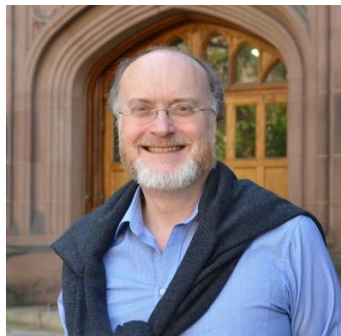
Dan Prober



Shruti Puri



Peter Rakich



Nick Read



Peter Schiffer



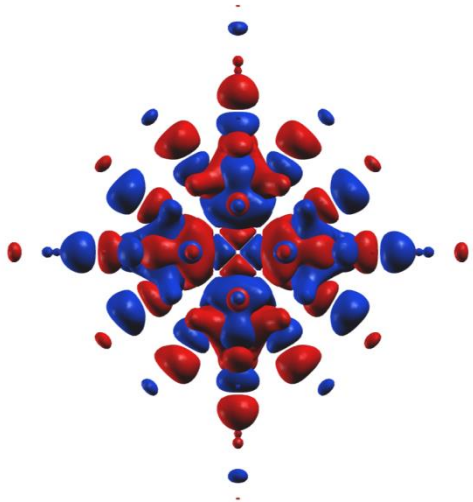
Rob Schoelkopf



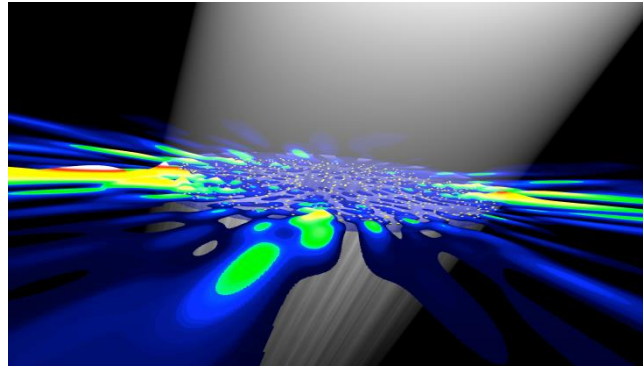
Doug Stone

# Research

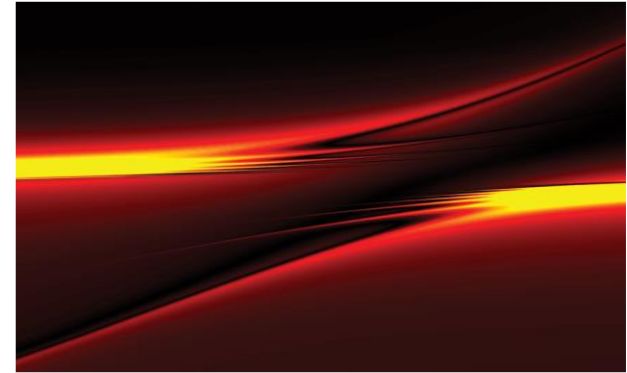
## Materials



## Optics



## Quantum information



### Quantum Materials

### Quantum Information

### Quantum Optics/Photonics

### Biophysics

Charles Ahn  
Yu He  
Sohrab Ismail-Beigi  
Vidvuds Ozolins (ESI)  
Peter Schiffer

Michel Devoret  
Rob Schoelkopf  
Dan Prober  
Shruti Puri  
Nick Read  
Peter Rakich  
Doug Stone

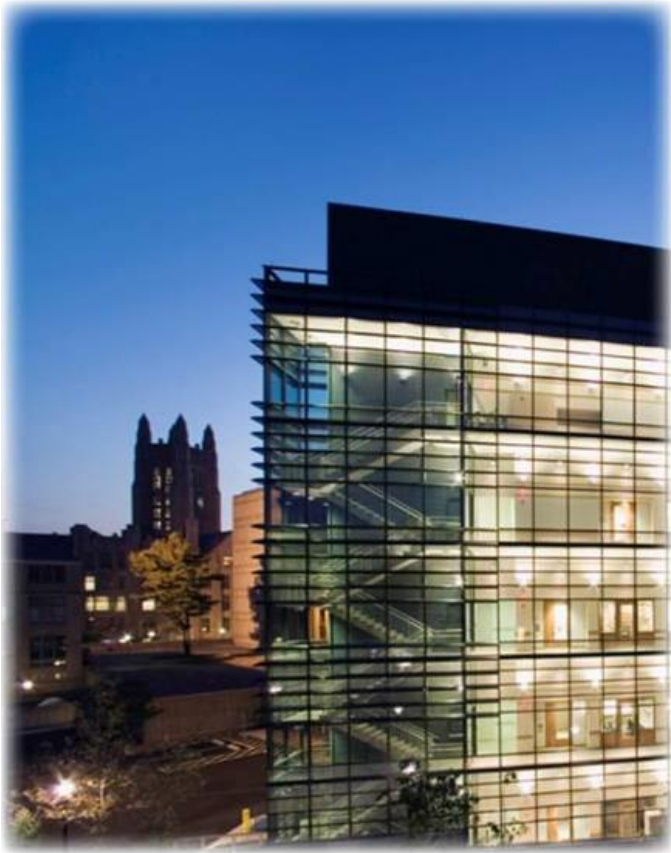
Hui Cao  
Owen Miller (ESI)  
Peter Rakich  
Doug Stone

Simon Mochrie



Yale University

# Scientific leadership/service across campus



Malone Engineering Center

## Yale Quantum Institute (YQI)

Director: Rob Schoelkopf

24 faculty

~40 researchers/staff

## Quantum Materials

Yale Center for Research on Interface Structures and Phenomena (CRISP)

Director: Sohrab Ismail-Beigi

19 faculty from 7 departments

55 researchers/staff

## Yale Institute for Nanoscience and Quantum Engineering (YINQE)

Faculty lead: Charles Ahn

~350 users

## Yale Cleanroom

Faculty lead: Charles Ahn

146 users from ~35 research advisors



Yale University

# The Future of Yale University

President Peter Salovey: We are going to spend disproportionately on science and engineering (~\$2B).

University Science Strategy

Top priority: Quantum Science, Engineering, and Materials

Large new investments in applied science and engineering announced this week (30 faculty positions, new building for physical sciences and engineering)



Yale University

# Distinguished research and leadership activity

**Awards: 3 NAS, 5 Packard fellows, AAAS, NSF CAREER**

**Leadership:**

**Directors of CRISP, YQI, YINQE, Yale Cleanroom**



**Yale University**

# Diversity, Equity, Inclusion, Belonging (DEIB)

Department developed a 5-year plan to prioritize DEIB. First-year implementation efforts include:

- Developed mentoring guidelines for graduate students
- We are recruiting graduate students and postdocs to spearhead a new graduate student and postdoctoral committee (GSPAC)
- A first-year seminar class paired with a social gathering (e.g., pizza and coffee)
- Bi-weekly ice cream socials
- Annual department-wide listening session

See [AP DEIB web site](#)



# Recent Alumni – Faculty

**Princeton**



Houck

**Berkeley**



Siddiqi

**Wisconsin**



Vavilov

**Chicago**



Schuster

**NIST/CU**



Teufel

**MIT**



Kolpak

**Princeton**



Tureci

**Delft**



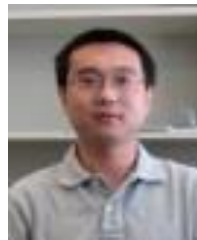
DiCarlo

**Vienna**



Majer

**Tsinghua**



Sun

**ETH Zurich**



Walraff

**Chicago**



Clerk

**Northwestern**



Koch

**Cornell**



Disa

**Colgate**



Segall

**Innsbruck**



Kirchmair

**Chalmers**



Isacsson

**Surrey**



Ginossar

**Technion**



Kornblum

**UBC**



Ke

**JILA**



Lehnert

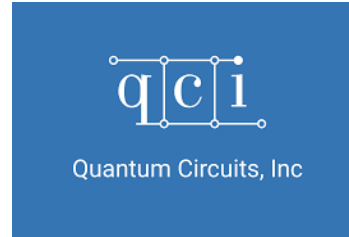


Yale University



# Recent Alumni – Industry, National Labs

## Large Companies



**rigetti**



**ASML**



## Research Labs



## Finance

McKinsey  
& Company



Yale University



Goldman  
Sachs

