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
Scientific leadership/service across campus

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
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)
Distinguished research and leadership activity

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

Leadership:

Directors of CRISP, YQI, YINQE, Yale Cleanroom
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          Berkeley          Wisconsin          Chicago          NIST/CU          MIT          Princeton
Houck              Siddiqi           Vavilov           Schuster          Teufel           Kolpak        Tureci
Delft              Vienna            Tsinghua          ETH Zurich       Chicago          Northwestern

Colgate           Innsbruck         Chalmers          Surrey           Technion         UBC           JILA
Segall            Kirchmair         Isacsson          Ginossar         Kornblum         Ke            Lehnert
Recent Alumni – Industry, National Labs

Large Companies

- Microsoft
- Facebook

Startup / Growth

- Rigetti Quantum

Research Labs

- Sandia National Laboratories
- HRL Laboratories

Finance

- McKinsey & Company
- Centiva Capital

Yale University

- JPL
- Caltech