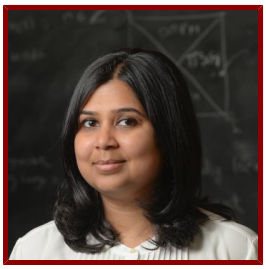
Stanford



Vedika Khemani

Associate Professor of Physics

CONTACT INFORMATION

- **Administrative Contact**

  Denise Jones

  Email dejones@stanford.edu

Bio

ACADEMIC APPOINTMENTS

- Associate Professor, Physics

ADMINISTRATIVE APPOINTMENTS

- Executive Committee Member, Q-FARM, Stanford Quantum Science and Engineering Initiative, (2022- present)

HONORS AND AWARDS

- Presidential Early Career Award for Scientists and Engineers (PECASE), U.S. Department of Energy (2025)
- Richard E. Prange Prize in Condensed Matter Physics, University of Maryland (2025)
- Infosys Prize in Physical Sciences, Infosys Foundation (2024)
- Young Investigator Award (ONR YIP), Office of Naval Research (2023)
- Breakthrough New Horizons in Physics Prize, Breakthrough Foundation (2022)
- George E. Valley Jr. Prize, American Physical Society (2021)
- Packard Fellowship for Science and Engineering, The David and Lucile Packard Foundation (2021)
- Early Career Award, U.S. Department of Energy (2020)
- Sloan Fellowship, Alfred P. Sloan Foundation (2020)
- William L. McMillan Award, University of Illinois Urbana-Champaign (2020)
- Terman Fellowship, Stanford University (2019, 2023)
- Joseph Taylor Fellowship, Department of Physics, Princeton University (2014)
- Kusaka Prize, Department of Physics, Princeton University (2014)
- Centennial Fellowship, Princeton University (2010-2014)

PROFESSIONAL EDUCATION

- Junior Fellow, Harvard Society of Fellows (2019)
- PhD, Princeton University , Physics (2016)
- B.Sc., Harvey Mudd College , Physics (2010)

LINKS

- Publications on arXiv: https://arxiv.org/search/?query=Khemani%2C+Vedika&searchtype=author&abstracts=show&order=-announced_date_first&size=50
- Publications on Google Scholar: https://scholar.google.com/citations?user=xXBIOUYAAAAJ&hl=en

Teaching

COURSES

2026-27

- Electricity, Magnetism, and Optics: PHYSICS 23 (Win)

2025-26

- Electricity, Magnetism, and Optics: PHYSICS 23 (Win)

2024-25

- Quantum Mechanics II: PHYSICS 131 (Aut)
- Topics in Modern Condensed Matter Theory I: Many Body Quantum Dynamics: PHYSICS 470 (Spr)

2023-24

- Quantum Mechanics II: PHYSICS 131 (Aut)
- Topics in Modern Condensed Matter Theory I: Many Body Quantum Dynamics: PHYSICS 470 (Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Arjun Mirani, Danial Shadmany

Postdoctoral Faculty Sponsor

Yimu Bao, Alexey Khudorozhkov, David Long, Shengqi Sang, Charles Stahl, Chao Yin

Doctoral Dissertation Advisor (AC)

Simon Blanch, Adithya Sriram, Zac Tobias

Doctoral (Program)

Gauri Batra, Ruben Coronel, Henry Hunt, Albert Nazeeri, Toby Satterthwaite