



## Vedika Khemani

Associate Professor of Physics

### CONTACT INFORMATION

- **Administrative Contact**

Denise Jones

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### Bio

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#### 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](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

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### COURSES

#### 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)

#### 2022-23

- Quantum Mechanics II: PHYSICS 131 (Spr)

### STANFORD ADVISEES

#### Postdoctoral Faculty Sponsor

Yimu Bao, Yaodong Li, David Long, Shengqi Sang, Charles Stahl, Chao Yin

#### Doctoral Dissertation Advisor (AC)

Adithya Sriram, Zac Tobias

#### Doctoral (Program)

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