Stanford



Charlotte Bøttcher

Assistant Professor of Applied Physics

Bio

BIO

Charlotte is joining the Stanford faculty in 2025 as an assistant professor of Applied Physics. Charlotte received her BSc degree in physics in 2016 from the Niels Bohr institute in Copenhagen where she focused on studying quantum phases transitions in two-dimensional Josephson junction arrays. She then moved to the US and finished her PhD in physics at Harvard University in 2022. Her general passion is to work at the intersection between condensed matter physics and quantum information, and during her PhD Charlotte also spent time at IBM Quantum. After her PhD, she joined Qulab at Yale University as a postdoc where she worked on hybrid material systems for quantum information.

ACADEMIC APPOINTMENTS

- Assistant Professor, Applied Physics

Teaching

COURSES

2026-27

- Condensed Matter Seminar: APPPHYS 470 (Spr)
- Disentangling the World of Quantum Computing?: APPPHYS 110Q (Aut)

2025-26

- Condensed Matter Seminar: APPPHYS 470 (Aut, Win, Spr)
- Disentangling the World of Quantum Computing?: APPPHYS 110Q (Aut)

2024-25

- Phenomenology of Superconductors: APPPHYS 280 (Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Chunyang Ding, Kaveh Pezeshki, Cady van Assendelft

Postdoctoral Faculty Sponsor

Ludwig Holleis, Ke Huang

Doctoral Dissertation Advisor (AC)

Samuel Condon, Emma Lickey, Hari Stoyanov, Elaine Taylor, Patrick Walsh