



## Charlotte Böttcher

Assistant Professor of Applied Physics

### Bio

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#### 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

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#### COURSES

##### 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)

Sandesh Kalantre, Cady van Assendelft

##### Postdoctoral Faculty Sponsor

Ke Huang

##### Doctoral Dissertation Advisor (AC)

Samuel Condon, Hari Stoyanov, Elaine Taylor