



## Quantum Effects Hackathon

### Call for Participation

Quantum Effects is the leading trade fair for application-oriented quantum technologies with an annual cycle and an international impact. It will secure the vanguard role of Europe in this field. Quantum Effects is taking place at the Stuttgart fairground on the 8th and 9th of October 2024.

The program which features a trade show, stage programs, panel discussions, the Quantum Effects award, a networking night event, the Quantum Effects tour, the Quantum Effects conference and more is accompanied by a two day Qiskit hackathon in person hosted by Messe Stuttgart with help of IBM and sponsored by HLRS and Senioren der Wirtschaft Böblingen.

### IBM

IBM is an industry leader in quantum computing, working everyday towards achieving quantum advantage. IBM's full-stack approach delivers the best of IBM's quantum computing systems together with the most complete suite of quantum software tools and cloud services. Learn, develop, and run programs with quantum applications and systems through cloud access to the most advanced quantum computers available.

### The Hackathon

This hackathon is targeted at students, bachelor's, master's, and postdoctoral researchers with a background in quantum computing and programming. We are looking for teams of 4-5 people.

While this event does not exclude anyone, a familiarity with python, Qiskit and quantum computing will help you in this competition.

The hackathon will kick off with an opening presentation and guideline review.

The hackathon will take place on the **7th/8th of October at Messe Stuttgart ICS in the conference area**. At the end of the 8th October, a committee of experts will evaluate the outcome and select the winners. Catering, Snacks and Drinks for the participants will be provided by Messe Stuttgart.

## Award Ceremony

The award ceremony will take place on the 9th of October at 12:30 during the fair on the "Black Stage". The best team will get the official Quantum Effects award and free entrance tickets for 2025. The first three teams will be invited to visit the IBM Quantum System in Ehningen or the Compute Center of the HLRS in Stuttgart or can talk with the Senioren der Wirtschaft Böblingen how to build a startup.

## How to apply

To apply for participation in the hackathon, send an eMail with the subject "Quantum Effects Hackathon 2024" until 8<sup>th</sup> of September 2024 for your team to [quantum-effects@messe-stuttgart.de](mailto:quantum-effects@messe-stuttgart.de) with following content:

Name of the team.

Name of the team captain.

Name of a team coach. (Optional)

Full name and eMail address of all team members.

University education and degree.

Experiences in Quantum computing programming.

The team captain and coach will get all further information and communication regarding the hackathon.

