

The background features several overlapping sine waves in shades of blue and yellow, representing quantum wavefunctions. A thin yellow horizontal line is positioned near the top of the page.
$$|\Psi\rangle$$

A diagram on the left side of the page shows a vertical yellow arrow pointing upwards, with three horizontal yellow lines representing energy levels. The top line is longer than the two lines below it.

Global Quantum Mechanics Challenge

Edition of 2026

What is GQMC?



Open for All

- ▶ Middle & High School Students
- ▶ University Students

Science Competition

3 Rounds, Prizes and Certificates

Quantum Mechanics

Quantum mechanics describes matter and energy at the most fundamental level. From electrons and photons to the principles behind modern technologies!

What makes GQMC unique?



- ▶ **Accessibility**
 - International, fully online
- ▶ **Diverse Topics**
 - All fields of Quantum Mechanics
- ▶ **Research Problems**
 - Based on scientific papers
- ▶ **Digital Platform**
 - Login portal & support
- ▶ **Student Interaction**
 - Ambassador Program
- ▶ **Encouragement**
 - Certificates & recognition

**Educating and Encouraging Students in
Quantum Mechanics and Modern Physics**



1. Qualification Round

5 Quantum Mechanics Problems: Wave Mechanics, Quantum States, Spin, ...

2. Semi-Final Round

2× Calculation Problems, 1× Research Problem
60-minute exam · 12 EUR Registration Costs (Financial Aid available)

3. Final Round

Final Exam with around 30 Questions · Minutes · Digitally Monitored

Prizes and Awards



Junior Division

- ▶ 1st Prize: 250 USD
- ▶ 2nd Prize: 175 USD
- ▶ 3rd Prize: 125 USD

Youth Division

- ▶ 1st Prize: 200 USD
- ▶ 2nd Prize: 150 USD
- ▶ 3rd Prize: 100 USD

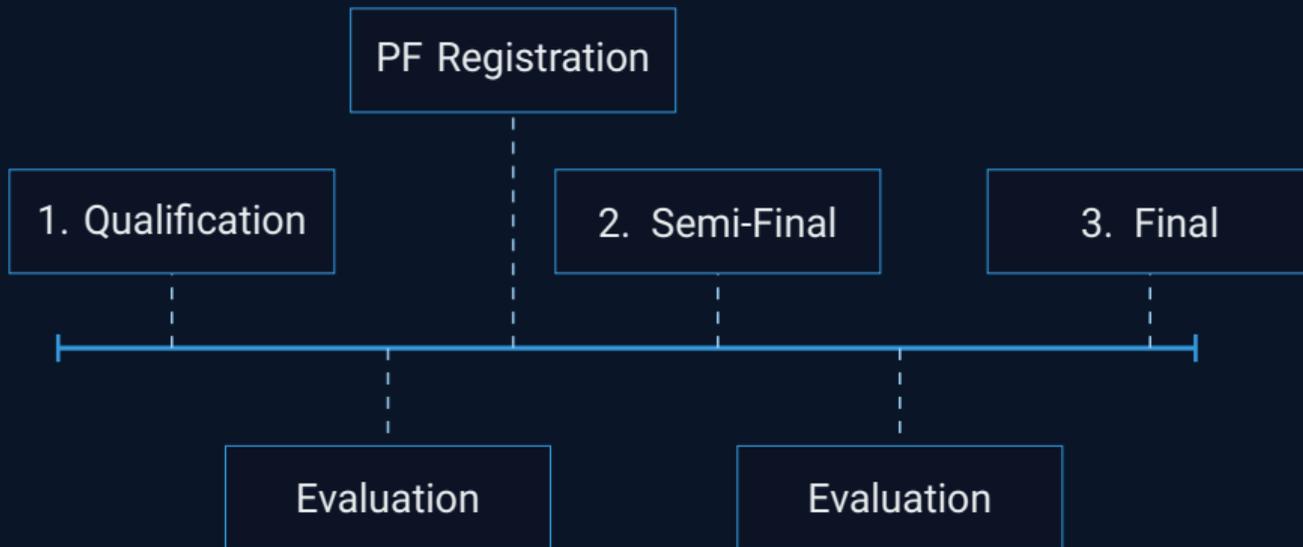
Senior Division

- ▶ 1st Prize: 175 USD
- ▶ 2nd Prize: 125 USD
- ▶ 3rd Prize: 100 USD

Additional Awards

- ▶ National Awards
- ▶ Honours for Finalists (Bronze, Silver, Gold)
- ▶ Participation Certificates for All Entrants

Timetable of 2026



How to participate?



1. Download Problems

glqmc.org/en#qualification

2. Submit Solution

glqmc.org/submission

3. Solve Problems

- Work alone or in a group
- Handwritten or computer-typed
- Show all work and reasoning clearly



Links and Resources

- ▶ Official Website
→ glqmc.org
- ▶ Participant Login
→ glqmc.org/login
- ▶ Resources to get started
→ glqmc.org/resources

Contact and Training

- ▶ FAQ
→ glqmc.org/support
- ▶ Contact Email
info@glqmc.org
- ▶ Training Problems
glqmc.org/training

Submission Deadline: Friday, 15 May 2026

The background features a dark blue field with several wavy lines in lighter blue and yellow, representing quantum wavefunctions. On the left, there is a vertical axis with an upward arrow and several horizontal lines representing energy levels. On the right, there is a circular diagram with a vertical axis and a horizontal line, possibly representing a Bloch sphere or a similar quantum state representation.
$$|\Psi\rangle$$

**Participate in
GQMC 2026!**