

The background features a dark blue field with several wavy lines in lighter blue and yellow, representing quantum wavefunctions. On the left side, there is a vertical yellow line and a yellow arrow pointing upwards towards three horizontal yellow lines, which represent energy levels.
$$|\Psi\rangle$$

# 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

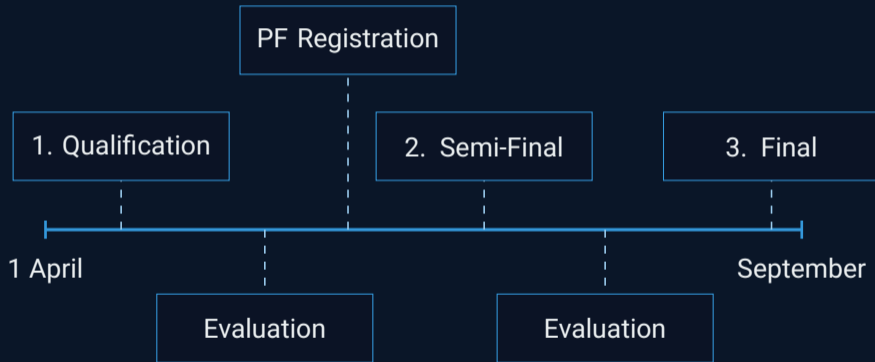
## Senior Division

- ▶ 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](https://glqmc.org/en#qualification)

## 2. Submit Solution

[glqmc.org/submission](https://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](https://glqmc.org)
- ▶ Participant Login  
→ [glqmc.org/login](https://glqmc.org/login)
- ▶ Resources to get started  
→ [glqmc.org/resources](https://glqmc.org/resources)

## Contact and Training

- ▶ FAQ  
→ [glqmc.org/support](https://glqmc.org/support)
- ▶ Contact Email  
[info@glqmc.org](mailto:info@glqmc.org)
- ▶ Training Problems  
[glqmc.org/training](https://glqmc.org/training)

**Submission Deadline: Sunday, 14 June 2026**

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

**Participate in  
GQMC 2026!**