

These are the guidelines and full terms and conditions for the Institute of Physics Quantum Optics, Quantum Information and Quantum Control Group's '*Quantum on the Clock*' competition 2022 (the 'Competition'). By submitting an entry, you are confirming that you have read and accept these terms. The Competition is run by the Institute of Physics ('IOP') of 37 Caledonian Road, London, N1 9BU, UK.

### Submission criteria

1. Create a video on any aspect of quantum science or technology, that is no longer than 3 minutes.
2. You can submit your video individually or in a team of up to four.
3. The video must be accurate, and if the chosen topic is controversial or under debate, then this should be mentioned in the video.
4. The video should not promote a particular company or organisation, though they can be mentioned as examples of e.g. who is implementing a quantum technology.
5. The submission must be a video but can be in any format! It could be a single person or a group of people talking to the camera; a drama; visuals and animation; song, poetry or dance; or something else... all creativity is welcome

### General rules

6. Entry to the Competition is free and is open to students in the UK and Ireland, in their final two years of pre-university education. This includes A-level, International Baccalaureate, Scottish Higher and Advanced Higher (S5 and S6), Irish Senior Cycle, or equivalent courses.
7. **We strongly encourage submissions from students with all backgrounds that are underrepresented in the physics community.**
8. Each student may enter one or more projects, up to a maximum of three projects. (Note: this rule was updated on 3/5/2022.)
9. Teams must have no more than four students.
10. The Competition will open for submissions on Monday 25<sup>th</sup> April 2022 and close on Friday 8<sup>th</sup> July 2022.
11. All entries must be submitted by an adult. This can be the entrant if they are 18 or over, or parent/carer/teacher on behalf of entrants under 18. We will not be able to judge entries submitted by students under 18 and will only communicate with the adult making the submission.
12. Each submission must be accompanied by a signed consent form for each person shown in the submission. Where the person shown is 18 or over, they may sign the consent form themselves. Where the person is under 18, the form must be signed by the person shown and their parent/carer.
13. For group entries, team members can attend different schools, but all team members must meet the eligibility requirements.
14. Entries cannot be unfinished at the time of entry. We will not allow entries to be amended at a later date, so please submit completed entries only.
15. By submitting an entry, you grant IOP a royalty-free, worldwide, irrevocable right to publish and distribute the entry on its YouTube channel under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International Licence (<https://creativecommons.org/licenses/by-nc-nd/4.0/>) and on its websites and social media accounts. IOP shall be entitled to modify the entry as necessary in order to exercise this right of publication.

### Judging and prizes

16. Every project entered will be reviewed by a judging panel. Judges will assess the submissions by the following criteria:
  - Creativity
  - Clarity
  - Engagement
  - Accuracy
17. The prizes available are:
  - Best individual video - 1-year Physics World subscription, prize-giving event invitation and £300
  - Best team video - 1-year Physics World subscription, prize-giving event invitation and £300

- National Physical Laboratory Prize for most creative video - £150
  - National Quantum Computing Centre Prize for best explained video - £150
  - IBM Quantum Prize for most engaging video - £150
  - Oxford Quantum Circuits Prize for most well-researched video - £150
  - Universal Quantum Prize for the best video response to the question "What would you do with a 1-million qubit quantum computer?" - £150
  - 9 Runners-Up Prizes for highly commended entries - £100
18. Team cash prizes will be shared between team members.
  19. The winners of "Best individual" and "Best team" prizes will receive a 1-year subscription to Physics World and an expenses-paid invitation to a prize-giving event at the Photon 2022 conference dinner, with the opportunity to network with expert quantum researchers at a major UK conference.
  20. One representative from each winning entry for the Sponsor prizes will also receive an expenses-paid invitation to the prize-giving event (if the winning entry is a team, they can choose one representative).
  21. Where the winner receives an expenses-paid invitation, IOP shall reimburse the attendees at the prize-giving event for their reasonable travel and accommodation expenses directly incurred in attending the event, up to a maximum amount of £150 per attendee. IOP may require evidence of the expenses incurred before reimbursement.
  22. In 2022 the conference is taking place in Nottingham, 30th August to 2nd September 2022.
  23. The judges' decisions are final and no appeals can be made regarding the results.
  24. The prizes will be announced in August 2022.
  25. All prizes will be paid to the adult who submitted the entry and it is their responsibility to ensure the prize is distributed to the entrants.
  26. All prizes are non-exchangeable and non-transferable.
  27. All potential winning and runner-up entries will be subject to an eligibility verification process with the entrants' school or parent/carer (for home-schooled entrants). If:
    - any entry fails that verification process; or
    - the verification process cannot be completed to IOP's satisfaction for any reason within a reasonable time; or
    - a winner or runner-up cannot be contacted within 30 days,
 the entry may be declared void and a new winner or runner-up chosen.

### **Important things to note**

28. Plagiarism is not allowed: submissions must be the entrant's own original work and must not have been published elsewhere, including in response to other competitions. By entering the Competition, the person making the submission confirms to IOP that:
  - the entry is an original work, created solely by the entrant(s); and
  - the entry does not infringe the copyright or other intellectual property rights of any third party.
29. It is the submitting adult's responsibility to inform us of a change of their contact details if they change during the Competition. Please do not send us any contact details of the students.
30. Any projects involving interaction with humans or use of hazardous substances or devices must be in keeping with national health and safety and safeguarding guidelines and those of the entrant's educational institution.
31. IOP cannot accept responsibility for entries which are not received or which are received after the closing date due to technical failure or for any other reason.
32. No entries are allowed from IOP employees or anyone connected with the Competition, including their immediate families.
33. IOP reserves the right to change the rules of the Competition, or to cancel or amend the Competition, without notice.
34. Any entry can be refused and IOP reserves the right not to award some or all of the prizes if the entries do not meet the requirements as determined by the judges.
35. IOP shall not be liable for any costs associated with participating in the Competition.
36. Personal data will be processed by IOP in accordance with the Data Protection Act 2018 see <http://www.iop.org/privacy/index.html> for further details.
37. These terms and conditions are governed by English law.

