



28th Solvay Conference on Physics *The Physics of Quantum Information*

Chairs: David Gross and Peter Zoller

Wednesday 18 May 2022

19:30 Welcome reception at the Brussels City Hall
*Meeting in the lobby of the hotel at 19:00

Thursday 19 May 2022

08:00 - 9:00 Registration (in the lobby of the conference Hotel)

Session I: Opening / Overview (Chairs: Marc Henneaux, John Preskill)

09:00 - 09:30 Welcome remarks: Marc Henneaux, David Gross, Peter Zoller
09:30 - 10:20 John Preskill
10:20 - 11:00 Coffee break
11:00 - 11:30 David Wineland
11:30 - 12:00 Peter Shor
12:00 - 14:00 Lunch break

Session II: Many-Body Entanglement (Chair: Ignacio Cirac)

Rapporteurs: Misha Lukin and Frank Verstraete

14:00 - 15:30 Reports and discussions
15:30 - 16:00 Coffee break
16:00 - 17:00 Reports and discussions
19:30 Banquet at the Plaza Hotel
*Meeting in the lobby of the hotel at 19:00

Friday 20 May 2022

Session III: Quantum Information and Spacetime (Chair: Juan Maldacena)

Rapporteurs: Netta Engelhardt and Douglas Stanford

08:30 - 10:00 Reports and discussions
10:00 - 10:30 Coffee break
10:30 - 11:30 Reports and discussions
12:00 - 14:00 Lunch break

Free Afternoon

19:30 Reception at the Solvays'
*Meeting in the lobby of the hotel at 18:45

Saturday 21 May 2022

Session IV: Quantum Platforms (Chair: Steven Girvin)

Rapporteurs: Rainer Blatt and Robert Schoelkopf

09:00 - 10:30 Reports and discussions
10:30 - 11:00 Coffee break
11:00 - 12:00 Reports and discussions
12:00 - 12:30 Group Photo
12:30 - 14:00 Lunch break

Session V: Quantum Algorithms (Chair: Umesh Vazirani)

Rapporteurs: Scott Aaronson and Daniel Gottesman

14:00 - 15:30 Reports and discussions
15:30 - 16:00 Coffee break
16:00 - 17:00 Reports and discussions

17:00 - 18:00 Closing round
18:00 END OF CONFERENCE

! The conference room screens are 16:9 aspect ratio. Please produce your presentation accordingly.