

2022 MQV Review Meeting



Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome address - MQV Goals

Tuesday 4 October 2022 11:00 (15 minutes)

Contribution ID: 2

Type: **not specified**

Quantum Development Environment, System Software & Integration, Q-DESSI (K5) overview (50'+10')

Tuesday 4 October 2022 11:15 (1 hour)

Session Classification: Theory & Software

Contribution ID: 3

Type: **not specified**

Poster setup

Tuesday 4 October 2022 12:15 (15 minutes)

Contribution ID: 4

Type: **not specified**

Hardware Adapted Theory, HAT (K8) overview (50' + 10')

Tuesday 4 October 2022 13:30 (1 hour)

Session Classification: Theory & Software

Contribution ID: 5

Type: **not specified**

Theoretical Quantum Computing, THEQUCO (K4) overview (50'+10')

Tuesday 4 October 2022 14:30 (1 hour)

Session Classification: Theory & Software

Contribution ID: 7

Type: **not specified**

Sidebar K5 with experts & MQV office

Tuesday 4 October 2022 16:00 (30 minutes)

Session Classification: Theory & Software

Contribution ID: 8

Type: **not specified**

Sidebar K8 with experts & MQV office

Tuesday 4 October 2022 16:35 (30 minutes)

Session Classification: Theory & Software

Contribution ID: 9

Type: **not specified**

Sidebar K4 with experts & MQV office

Tuesday 4 October 2022 17:10 (30 minutes)

Session Classification: Theory & Software

Contribution ID: **10**

Type: **not specified**

Dinner

Tuesday 4 October 2022 19:00 (1 hour)

Contribution ID: **11**

Type: **not specified**

Wrap-up of day one

Tuesday 4 October 2022 20:00 (1h 30m)

Contribution ID: 12

Type: **not specified**

Superconducting Qubit Quantum Computing, SQQC (K1) overview (50'+10')

Wednesday 5 October 2022 09:00 (1 hour)

Session Classification: Hardware

Contribution ID: 13

Type: **not specified**

Trapped Atom Quantum Computer, TAQC (K3/K2) overview (50'+10')

Wednesday 5 October 2022 10:00 (1 hour)

Session Classification: Hardware

Contribution ID: 14

Type: **not specified**

Scalable Hardware & Systems Engineering, SHARE (K6) overview (50'+10')

Wednesday 5 October 2022 11:30 (1 hour)

Session Classification: Hardware

Contribution ID: 15

Type: **not specified**

Experts & MQV office (closed session)

Wednesday 5 October 2022 13:45 (30 minutes)

Session Classification: Hardware

Contribution ID: 16

Type: **not specified**

Sidebar SQQC (K1) with experts & MQV office

Wednesday 5 October 2022 15:45 (30 minutes)

Session Classification: Hardware

Contribution ID: 17

Type: **not specified**

Sidebar TAQC (K3/K2) with experts & MQV office

Wednesday 5 October 2022 14:50 (30 minutes)

Session Classification: Hardware

Contribution ID: **18**

Type: **not specified**

Sidebar SHARE (K6) with experts & MQV office

Wednesday 5 October 2022 14:15 (30 minutes)

Session Classification: Hardware

Contribution ID: 19

Type: **not specified**

Quantum Science and Technology Education in Bavaria, QST-EB overview (30'+10')

Wednesday 5 October 2022 17:30 (40 minutes)

Session Classification: Communication

Contribution ID: 20

Type: **not specified**

Experts & MQV office (closed session)

Wednesday 5 October 2022 18:10 (10 minutes)

Session Classification: Communication

Contribution ID: 21

Type: **not specified**

Sidebar QST-EB with experts & MQV office

Wednesday 5 October 2022 18:20 (20 minutes)

Session Classification: Communication

Contribution ID: 22

Type: **not specified**

Experts & MQV office (closed session)

Tuesday 4 October 2022 15:30 (20 minutes)

Session Classification: Theory & Software

Contribution ID: **23**

Type: **not specified**

Dinner

Wednesday 5 October 2022 19:00 (1 hour)

Contribution ID: 24

Type: **not specified**

Wrap-up of day two

Wednesday 5 October 2022 20:00 (1h 30m)

Contribution ID: 25

Type: **not specified**

Quantum Algorithms for Application, Cloud & Industry, QACI (K7) overview (50'+10')

Thursday 6 October 2022 09:00 (1 hour)

Session Classification: Algorithms

Contribution ID: 26

Type: **not specified**

Quantum Technology Park & Entrepreneurship, QTPE overview (30'+10')

Thursday 6 October 2022 10:00 (40 minutes)

Session Classification: Algorithms

Contribution ID: 27

Type: **not specified**

Expert & MQV office (closed session)

Thursday 6 October 2022 11:00 (30 minutes)

Session Classification: Algorithms

Contribution ID: 28

Type: **not specified**

Sidebar K7 with experts & MQV office

Thursday 6 October 2022 11:30 (30 minutes)

Session Classification: Algorithms

Contribution ID: 29

Type: **not specified**

Sidebar QTPE with experts & MQV office

Thursday 6 October 2022 12:00 (30 minutes)

Session Classification: Algorithms

Contribution ID: **30**

Type: **not specified**

Room for discussions

Contribution ID: 31

Type: **not specified**

Wrap-up of the meeting / concluding session / miscellaneous

Thursday 6 October 2022 14:30 (1h 30m)

Contribution ID: 32

Type: **not specified**

HAT (K8) lightning talk one (7'+3')

Session Classification: Theory & Software

Contribution ID: 33

Type: **not specified**

HAT (K8) lightning talk two (7'+3')

Session Classification: Theory & Software

Contribution ID: **34**

Type: **not specified**

Conference picture

Wednesday 5 October 2022 12:30 (15 minutes)

Contribution ID: 35

Type: **not specified**

K1 & K4 'Deepen collaboration'

Tuesday 4 October 2022 16:00 (30 minutes)

Session Classification: Interactions

Contribution ID: **36**

Type: **not specified**

K1, K7, K5(LRZ) Use-case 5-qubit chip

Tuesday 4 October 2022 16:35 (30 minutes)

Session Classification: Interactions

Contribution ID: 37

Type: **not specified**

K1 & K8 'Theoretical investigation SC'

Tuesday 4 October 2022 17:10 (30 minutes)

Session Classification: Interactions

Contribution ID: **38**

Type: **not specified**

K3/2 & K8 'Rydberg gates'

Tuesday 4 October 2022 16:00 (30 minutes)

Session Classification: Interactions

Contribution ID: 39

Type: **not specified**

K3/2, K6, K5 Electronics NA hardware

Tuesday 4 October 2022 16:35 (30 minutes)

Session Classification: Interactions

Contribution ID: 40

Type: **not specified**

K3/2, K6, K5 'FPGA electronics for neutral-atom hardware'

Wednesday 5 October 2022 15:45 (30 minutes)

Session Classification: Interactions

Contribution ID: 41

Type: **not specified**

K1 & K6 'Session 1 - Scaling'

Wednesday 5 October 2022 14:50 (30 minutes)

Session Classification: Interactions

Contribution ID: 42

Type: **not specified**

K1, K3/2 & K5 (LRZ) 'Cryogenic Technology'

Wednesday 5 October 2022 14:15 (30 minutes)

Session Classification: Interactions

Contribution ID: 43

Type: **not specified**

K4, K8 & K3/2, 'Error correction'

Thursday 6 October 2022 11:00 (30 minutes)

Chaired by Lode Pollet

Session Classification: Interactions

Contribution ID: 44

Type: **not specified**

K4, K5, K7, K8 and K3/2 "Quantum Algorithms"

Thursday 6 October 2022 12:00 (30 minutes)

Chaired by Frank Pollmann

Session Classification: Interactions

Contribution ID: 45

Type: **not specified**

K1 & K6 'Session 2 - Scaling'

Thursday 6 October 2022 11:00 (30 minutes)

Session Classification: Interactions

Contribution ID: 46

Type: **not specified**

K1, K3/2, K4, K5 & K8 'Compilers/ Quantum Compilation'

Thursday 6 October 2022 11:30 (30 minutes)

Session Classification: Interactions

Contribution ID: 47

Type: **not specified**

Open for discussion

Session Classification: Interactions

Contribution ID: 48

Type: **not specified**

Open for discussion

Session Classification: Interactions

Contribution ID: 49

Type: **not specified**

K5 & K7 Program System requirement

Tuesday 4 October 2022 17:10 (30 minutes)

Session Classification: Interactions

Contribution ID: **50**

Type: **not specified**

Poster setup

Tuesday 4 October 2022 10:15 (30 minutes)

Contribution ID: **51**

Type: **not specified**

Poster setup

Wednesday 5 October 2022 08:40 (20 minutes)

Contribution ID: 52

Type: **not specified**

Poster setup

Thursday 6 October 2022 08:40 (20 minutes)

Contribution ID: 53

Type: **not specified**

Superconducting Qubit Quantum Computer (SQQC) –Poster K1

Session Classification: Poster session

Contribution ID: 54

Type: **not specified**

Trapped Atom Quantum Computer (TAQC) –K2

Session Classification: Poster session

Contribution ID: 55

Type: **not specified**

Theoretical Quantum Computing (THEQUCO) –K4

Session Classification: Poster session

Contribution ID: 56

Type: **not specified**

Quantum Development Environment, System Software & Integration (Q-DESSI) –K5

Session Classification: Poster session

Contribution ID: 57

Type: **not specified**

Scalable Hardware & Systems Engineering (SHARE) -K6

Session Classification: Poster session

Contribution ID: 58

Type: **not specified**

Quantum Algorithms for Application, Cloud & Industry (QACI) –K7

Session Classification: Poster session

Contribution ID: 59

Type: **not specified**

Hardware Adapted Theory (HAT) –K8

Session Classification: Poster session

Contribution ID: **60**

Type: **not specified**

Lorem Ipsum –Poster 1.02

Session Classification: Poster session

Contribution ID: **61**

Type: **not specified**

Lorem Ipsum –Poster 1.01

Session Classification: Poster session