As of June 7 subject to change.

Week 1

QEC Foundations
Bosonic Code Foundations
Programming OFC Decoders

| | | | Mon | Tue | Wed | Thr | Fri | Sat | Sun |
|--------------------|-------------------------------|--|---|--|--|---|--|--|--------------------------------------|
| Time | Activity | Location/Room | Mon 4 | Tue 5 | wea 6 | 7 Inr | 8 8 | Sat 9 | 10 |
| 7:00AM - 8:55AM | Breakfast | Biddle Mansion - Winter Palace/West Terrace | 4 | 3 | 10 | | | | |
| 9:00AM - 10:30AM | Lecture I | New York | | Meet @ 8:45AM for First Day Logistics QEC Foundations Steve Flammia, AWS | Programming QEC Decoders James Wootton, IBM Quantum | Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS | Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS | QEC Foundations Steve Flammia, AWS | - |
| 10:30AM - 11:000AM | Morning Tea Break | Atrium Lobby | | | | | | | |
| 11:00AM - 12:30PM | Lecture II | New York | | Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS | QEC Foundations Steve Flammia, AWS | QEC Foundations Steve Flammia, AWS | Programming QEC Decoders James Wootton, IBM Quantum | Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS | 1 |
| 12:30PM - 1:25PM | Lunch | Biddle Mansion - Winter Palace/West Terrace | | | | | | | |
| 1:30PM - 2:00PM | | Sunnyside | Students Arrive | Q&A Session QEC Foundations Steve Flammia, AWS | Q&A Session Programming QEC Decoders James Wootton, IBM Quantum | Q&A Session Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS | Q&A Session Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS | Q&A Session QEC Foundations Steve Flammia, AWS | Study/Off Breakfast: 7:00AM - 9:30A |
| 2:00PM - 2:30PM | | Q&A Sessions Lyndhurst Unstructured N/A | | Q&A Session Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS | Q&A Session QEC Foundations Steve Flammia, AWS | Q&A Session QEC Foundations Steve Flammia, AWS | Q&A Session Programming QEC Decoders James Wootton, IBM Quantum | Q&A Session Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS | |
| 2:30PM - 4:30PM | Unstructured Time | | | | | | | | |
| 4:30PM - 5:00PM | 1 Open Problems | blems, dent Talks, | Unstructured Time / Office Hours with Admin Team | Unstructured Time | Open Problems - Part I QEC Foundations Steve Flammia, AWS | Crazy Ideas Session IDA Rules | Open Problems - Part II Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS | | |
| 5:00PM - 5:30PM | Student Talks, Crazy Ideas | | | for on-site support | onstructured nine | Open Problems - Part I Bosonic Code Foundations Shruti Puri, Yale University Arne Grimsmo, AWS | Drew Vandeth, IBM Quantum | Open Problems - Part II QEC Foundations Steve Flammia, AWS | |
| 5:30PM - 6:00PM | Unstructured Time | N/A | | | | | | | |
| 6:00PM - 6:55PM | Dinner | Palace/West | | Opening Dinner @ Mary Duke Ballroom | Dinner | Social Event: Women in Quantum Social | Dinner | | |
| 7:00PM - 8:00PM | Guest Lectures/Social New You | l New York | 4th of July Event @ West Terrace | Keynote Speaker, Daniel Gottesman, UMD Mary Duke Ballroom | Guest Lecture Natalie Brown, Quantinuum | @ Carriage Room | Guest Lecture Liang Jiang, The University of Chicago | of Unstructured Time | |
| 8:00PM - 9:00PM | Social | Atrium Lobby | | Speaker Social | Speaker Social | | Speaker Social | | |

As of June 7 subject to change.

Week 2

Fault Tolerance - Logistical Gates
Experimental QEC - Bosonic Codes
Programming QEC Decoders

| | | | | | Experimental QEC - Bosonic Co Programming QEC Decoders | | | | |
|--------------------|----------------------------------|----------------------------------|--|--|--|--|--|--|--|
| Time | Activity | Location/Room | Mon 11 | Tue 12 | Wed 13 | Thr 14 | Fri 15 | Sat 16 | Sun 17 |
| 7:00AM - 8:55AM | Breakfast | Winter Palace/West Terrace | | | Breakfast | | | | |
| 9:00AM - 10:30AM | Lecture I | New York | Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum | Programming QEC Decoders James Wootton, IBM Quantum | Experimental QEC - Bosonic Codes Alec Eickbusch & Vladimir Sivak, Yale University | Experimental QEC - Bosonic Codes Alec Eickbusch, Yale University Vladimir Sivak, Yale University | Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum | | |
| 10:30AM - 11:000AM | Morning Tea Break | Atrium Lobby | | | Morning Tea Break | | | | |
| 11:00AM - 12:30PM | | New York | Experimental QEC - Bosonic Codes Michel Devoret, Alec Eickbusch, & Vladimir Sivak, Yale University | Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum | Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum | Programming QEC Decoders James Wootton, IBM Quantum | Experimental QEC - Bosonic Codes Alec Eickbusch & Vladimir Sivak, Yale University | | |
| 12:30PM - 1:25PM | Lunch | Winter Palace/West Terrace | | | Lunch | | | | |
| 1:30PM - 2:00PM | | Sunnyside | Q&A Session Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum | Q&A Session Programming QEC Decoders James Wootton, IBM Quantum | Q&A Session Experimental QEC - Bosonic Codes Alec Eickbusch & Vladimir Sivak, Yale University | | Q&A Session Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum | | Study/Off Breakfast: 7:00AM - 9:30AM Lunch: 12:00PM - 1:30PM Dinner: 6:00PM - 9:00PM |
| 2:00PM - 2:30PM | -Q&A Sessions | Lyndhurst | Q&A Session Experimental QEC - Bosonic Codes Michel Devoret, Alec Eickbusch, & Vladimir Siyak, Yale University | Q&A Session Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum | Q&A Session Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum | Social Event: IBM Yorktown Lab Visit | Q&A Session Experimental QEC - Bosonic Codes Breakfas | Hudson River Cruise @ 1:30PM Breakfast: 7:00AM - 9:30AM Lunch & Dinner: TBA | |
| 2:30PM - 4:30PM | Unstructured Time | N/A | | Unstructured Time | | | Unstructured Time Open Problems - Part II Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum | | |
| 4:30PM - 5:00PM | | M. V. I | | C. J. J. T. H. | Open Problems - Part I Experimental QEC - Bosonic Codes Alec Eickbusch & Vladimir Sivak, Yale University | | | | |
| 5:00PM - 5:30PM | Student Talks, Crazy Ideas | New York | Student Talks | Student Talks | Open Problems - Part I Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum | Unstructured Time | Open Problems - Part II Experimental QEC - Bosonic Codes Alec Eickbusch & Vladimir Sivak, Yale University | | |
| 5:30PM - 6:00PM | Unstructured Time | N/A | | | Unstructured Time | | | | |
| 6:00PM - 6:55PM | | Winter Palace/West Terrace | | | Dinner | | | | |
| 7:00PM - 8:00PM | Guest Lectures/Social Time | New York | Guest Lecture Chen Wang, UMass Amherst | Unstructured Time | Guest Lecture TBD | Unstructured Time | Guest Lecture Guanyu Zhu, IBM Quantum | | |
| 8:00PM - 9:00PM | | Atrium Lobby | Speaker Social | | Speaker Social | | Speaker Social | 1 | |

As of June 7 subject to change.

Week 3

QEC Decoding
Experimental QEC - Trapped Ions
Programming OEC Simulations

| Experimental QEC - Trapped Ions Programming QEC Simulations | | | | | | | | | | |
|---|----------------------------------|---|---|--|---|--|--|---|--|--|
| Time Activity | Location/Room | Mon 18 | Tue 19 | Wed 20 | Thr 21 | Fri 22 | Sat 23 | Sun 24 | | |
| 7:00AM - 8:55AM Breakfast | Winter Palace/West Terrace | 18 | 19 | Breakfast | 21 | 22 | 23 | 24 | | |
| 9:00AM - 10:30AM Lecture I | New York | QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS | Programming QEC Simulations Andrew Cross, IBM Quantum | Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum | Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum | QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS | | | | |
| 10:30AM - 11:000AM Break | Atrium Lobby | | | Morning Tea Break | | | 1 | | | |
| 11:00AM - 12:30PM Lecture II | New York | Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum | QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS | QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS | Programming QEC Simulations Andrew Cross, IBM Quantum | Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum | | | | |
| 12:30PM - 1:25PM Lunch | Winter Palace/West Terrace | | | Lunch | | | | | | |
| 1:30PM - 2:00PM | Sunnyside | Q&A Session QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS | Q&A Session Programming QEC Simulations Andrew Cross, IBM Quantum | Q&A Session Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum | Q&A Session Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum | Q&A Session QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS | | | | |
| Q&A Sessions 2:00PM - 2:30PM | Lyndhurst | Q&A Session Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum | Q&A Session QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS | Q&A Session QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS | Q&A Session Programming QEC Simulations Andrew Cross, IBM Quantum | Q&A Session Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum | Social Event TBA Breakfast: 7:00AM - 9:30AM Lunch & Dinner: TBA | Study/Off Breakfast: 7:00AM - 9:30AM Lunch: 12:00PM - 1:30PM Dinner: 6:00PM - 9:00PM | | |
| 2:30PM - 4:30PM Time | N/A | | | Unstructured Time | | | | | | |
| 4:30PM - 5:00PM Open Problems, | New York | Student Talks | Student Talks | Open Problems - Part I Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum | - Crazy Ideas Session | Open Problems - Part II QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS | | | | |
| Student Talks, Crazy Ideas 5:00PM - 5:30PM | | Stagent rang | Steeshi Mind | Open Problems - Part I QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS | 5.42, 1000 500001 | Open Problems - Part II Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum | | | | |
| 5:30PM - 6:00PM Time | N/A | | | Unstructured Time | | | | | | |
| 6:00PM - 6:55PM Dinner | Winter Palace/West Terrace | | Dinner | | Social Event: Diversity Panel @ Mary Duke Ballroom | Dinner | | | | |
| Guest 7:00PM - 8:00PM Lectures/Social Time | New York | Guest Lecture Aleksander Kubica, AWS | Unstructured Time | Guest Lecture Michael Vasmer Perimeter Institute | Dinner | Guest Lecture Leo DiCarlo QuTech | | | | |
| 8:00PM - 9:00PM Social | Atrium Lobby | Speaker Social | | Speaker Social | Unstructured Time | Speaker Social | | | | |

As of June 7 subject to change.

Week 4

LDPC Codes

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|---|----------------------------------|---|---|---|---|---|---|---|
| Time Activity | Location/Room | Mon | Tue | Wed | Thr | Fri | Sat | Sun |
| Time Activity | - | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| 7:00AM - 8:55AM Breakfast | Winter Palace/West Terrace | | | Breakfast | | | | |
| 9:00AM - 10:30AM Lecture I | New York | LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft | Programming QEC Simulations Andrew Cross, IBM Quantum | Experimental QEC - Superconducting Qubits Maika Takita & Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich | Experimental QEC - Superconducting Qubits Maika Takita, IBM Quantum Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich | LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft | | |
| 10:30AM - 11:000AM Break | Atrium Lobby | | | Morning Tea Break | | | | |
| 11:00AM - 12:30PM Lecture II | New York | Experimental QEC - Superconducting Qubits Maika Takita & Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich | LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft | LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft | Programming QEC Simulations Andrew Cross, IBM Quantum | Experimental QEC - Superconducting Qubits Maika Takita & Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich | - | |
| 12:30PM - 1:25PM Lunch | Winter Palace/West Terrace | | Lunch | Lunch | | | | |
| 1:30PM - 2:00PM | Sunnyside | Q&A Session LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft | Q&A Session Programming QEC Simulations Andrew Cross, IBM Quantum | Q&A Session Experimental QEC - Superconducting Qubits Maika Takita & Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich | Social Event: IBM Research BBQ at | Q&A Session LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft | | Students Depart Breakfast: 7:00AM - 9:30AM |
| 2:00PM - 2:30PM | Lyndhurst | Q&A Session Experimental QEC - Superconducting Qubits Maika Takita & Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich | Q&A Session LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft | Q&A Session LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft | Yorktown Date TBC | Q&A Session Experimental QEC - Superconducting Qubits Maika Takita & Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich | | |
| 2:30PM - 4:30PM Unstructured Time | N/A | | Unstructured Time | | | Unstructured Time | | |
| 4:30PM - 5:00PM Open Problems, | New York | Student Talks | Student Talks | Open Problems - Part I Experimental QEC - Superconducting Qubits Maika Takita & Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich | — Crazy Ideas Session | Open Problems - Part II LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft | | |
| Student Talks, Crazy Ideas 5:00PM - 5:30PM | | | | Open Problems - Part I LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft | | Open Problems - Part II Experimental QEC - Superconducting Qubits Maika Takita & Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich | | |
| 5:30PM - 6:00PM Unstructured Time | N/A | | 1 | Unstructured Time | | | | |
| 6:00PM - 6:55PM Dinner | Winter Palace/West Terrace | | | Dinner | | | Closing Dinner @ Mary Duke Ballroom | |
| Guest 7:00PM - 8:00PM Lectures/Social Time | New York | Guest Lecture Anirudh Krishna, Stanford University | Unstructured Time | Guest Lecture, Ted Yoder, IBM Quantum | Unstructured Time | Social Event TBA | Keynote Speaker Sergey Bravyi IBM Quantum | |
| 8:00PM - 9:00PM Social | Atrium Lobby | Speaker Social | | Speaker Social | | | Speaker Social | |