

# QEC Summer School Schedule

## Week 1

QEC Foundations  
Bosonic Code Foundations  
Programming QEC Decoders

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

# QEC Summer School Schedule

## Week 2

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

| Week 2   |  |               |   |   |  |  |   |   |   |
|--|--|---------------|---|---|--|--|---|---|---|
| Fault Tolerance - Logistical Gates<br>Experimental QEC - Bosonic Codes<br>Programming QEC Decoders |  |               |   |   |  |  |   |   |   |
| Time   | Activity   | Location/Room | Mon<br>11   | Tue<br>12   | Wed<br>13  | Thr<br>14  | Fri<br>15   | Sat<br>16   | Sun<br>17   |
| 7:00AM - 8:55AM  | Breakfast  | Winter Palace | Breakfast   |   |  |  |   | Breakfast: 7:00AM - 9:30AM<br>@Winter Palace<br><br>Lunch: 11:00AM - 11:15AM<br><i>Lunch will be a boxed lunch<br/>provided in the Atrium</i><br><br><b>Hudson River Cruise</b><br>Bus Departs: 11:30AM<br>Cruise: 1:00PM - 4:30PM<br><br>Dinner: 6:00PM - 9:00PM<br>@ Cellar 49 (Lower level of<br>Biddle Mansion) | Study/Off<br><br>Breakfast: 7:00AM - 9:30AM<br>@Winter Palace<br><br>Lunch: 12:00PM - 1:30PM<br>@Winter Palace<br><br>Dinner: 6:00PM - 9:00PM<br>@ Cellar 49 (Lower level of<br>Biddle Mansion) |
| 9:00AM - 10:30AM   | Lecture I  | New York      | Fault Tolerance - Logical<br>Gates<br>Ben Brown, IBM Quantum<br>Daniel Litinski, PsiQuantum                         | Programming QEC Decoders<br>James Wootton, IBM<br>Quantum   | Experimental QEC - Bosonic<br>Codes<br>Alec Eickbusch & Volodymyr<br>Sivak, Yale University                              | Experimental QEC - Bosonic<br>Codes<br>Alec Eickbusch, Yale<br>University<br>Volodymyr Sivak, Yale<br>University | Fault Tolerance - Logical<br>Gates<br>Ben Brown, IBM Quantum<br>Daniel Litinski, PsiQuantum                               |   |   |
| 10:30AM - 11:00AM  | Morning Tea<br>Break                               | Atrium Lobby  | Morning Tea Break   |   |  |  |   |   |   |
| 11:00AM - 12:30PM  | Lecture II   | New York      | Experimental QEC - Bosonic<br>Codes<br>Michel Devoret,<br>Alec Eickbusch, &<br>Volodymyr Sivak, Yale<br>University  | Fault Tolerance - Logical<br>Gates<br>Ben Brown,<br>IBM Quantum<br>Daniel Litinski, PsiQuantum                | Fault Tolerance - Logical<br>Gates<br>Ben Brown,<br>IBM Quantum<br>Daniel Litinski, PsiQuantum                           | Programming QEC Decoders<br>James Wootton, IBM<br>Quantum  | Experimental QEC - Bosonic<br>Codes<br>Alec Eickbusch & Volodymyr<br>Sivak, Yale University                               |   |   |
| 12:30PM - 1:25PM   | Lunch  | Winter Palace | Lunch   |   |  |  |   |   |   |
| 1:30PM - 2:00PM  | Q&A Sessions                                       | New York      | Q&A Session<br>Fault Tolerance - Logical<br>Gates<br>Ben Brown, IBM Quantum<br>Daniel Litinski, PsiQuantum          | Q&A Session<br>Programming QEC Decoders<br>James Wootton, IBM<br>Quantum                                      | Q&A Session<br>Experimental QEC - Bosonic<br>Codes<br>Alec Eickbusch & Volodymyr<br>Sivak, Yale University               | Q&A Session<br>Experimental QEC - Bosonic<br>Codes<br>Alec Eickbusch & Volodymyr<br>Sivak, Yale University       | Q&A Session<br>Fault Tolerance - Logical<br>Gates<br>Ben Brown, IBM Quantum<br>Daniel Litinski, PsiQuantum                |   |   |
| 2:00PM - 2:30PM  |  | New York      | Q&A Session<br>Experimental QEC - Bosonic<br>Codes<br>Michel Devoret,<br>Alec Eickbusch, &<br>Volodymyr Sivak, Yale | Q&A Session<br>Fault Tolerance - Logical<br>Gates<br>Ben Brown,<br>IBM Quantum<br>Daniel Litinski, PsiQuantum | Q&A Session<br>Fault Tolerance - Logical<br>Gates<br>Ben Brown,<br>IBM Quantum<br>Daniel Litinski, PsiQuantum            | Q&A Session<br>Programming QEC Decoders<br>James Wootton, IBM<br>Quantum   | Q&A Session<br>Experimental QEC - Bosonic<br>Codes<br>Alec Eickbusch & Volodymyr<br>Sivak, Yale University                |   |   |
| 2:30PM - 4:30PM  | Unstructured<br>Time                               | N/A           | Unstructured Time   |   |  |  |   |   |   |
| 4:30PM - 5:00PM  | Open<br>Problems,<br>Student Talks,<br>Crazy Ideas | New York      | Student Talks   | Student Talks   | Open Problems - Part I<br>Experimental QEC - Bosonic<br>Codes<br>Alec Eickbusch & Volodymyr<br>Sivak, Yale University    | Crazy Ideas Session  | Open Problems - Part II<br>Fault Tolerance - Logical<br>Gates<br>Ben Brown,<br>IBM Quantum<br>Daniel Litinski, PsiQuantum |   |   |
| 5:00PM - 5:30PM  |  |               | Sajant Anand<br>Xanda Kolesnikow<br>Daniel Miller<br>Peter-Jan Derks  | Timo Hillmann<br>Armands Strikis<br>Aur  lie Denys<br>Kaavya Sahay  | Open Problems - Part I<br>Fault Tolerance - Logical<br>Gates<br>Ben Brown,<br>IBM Quantum<br>Daniel Litinski, PsiQuantum |  | Open Problems - Part II<br>Experimental QEC - Bosonic<br>Codes<br>Alec Eickbusch & Volodymyr<br>Sivak, Yale University    |   |   |
| 5:30PM - 6:00PM  | Unstructured<br>Time                               | N/A           | Unstructured Time   |   |  |  |   |   |   |
| 6:00PM - 6:55PM  | Dinner   | Winter Palace | Dinner  |   |  |  |   |   |   |
| 7:00PM - 8:00PM  | Guest<br>Lectures/Social<br>Time                   | New York      | Guest Lecture<br>Chen Wang, UMass Amherst   | Unstructured Time   | Unstructured Time  | Unstructured Time  | Guest Lecture<br>Guanyu Zhu, IBM Quantum  |   |   |
| 8:00PM - 9:00PM  | Social   | Atrium Lobby  | Speaker Social  |   |  |  | Speaker Social  |   |   |

# QEC Summer School Schedule

## Week 3

QEC Decoding  
Experimental QEC - Trapped Ions  
Programming QEC Simulations

| Time              | Activity                                  | Location/Room              | Mon<br>18  | Tue<br>19  | Wed<br>20   | Thr<br>21  | Fri<br>22  | Sat<br>23  | Sun<br>24   |  |
|-------------------|---|----------------------------|--|--|---|--|--|--|---|--|
| 7:00AM - 8:55AM   | Breakfast                                 | Winter Palace/West Terrace | Breakfast @ Library and the Music Room (Rooms before Winter Palace)  |  |   | Breakfast  |  | Breakfast: 7:00AM - 9:30AM @ Winter Palace<br><br><b>Social Event:<br/>Scavenger Hunt<br/>10AM - 12PM<br/>Riverview Room</b><br><br>Lunch: 12:00PM - 1:30PM @ Winter Palace<br><br>Dinner: 6:00PM - 9:00PM @ Library and the Music Room (Rooms before Winter Palace) | Study/Off<br><br>Breakfast: 7:00AM - 9:30AM @ Winter Palace<br><br>Lunch: 12:00PM - 1:30PM @ Winter Palace<br><br>Dinner: 6:00PM - 9:00PM @ Library and the Music Room (Rooms before Winter Palace) |  |
| 9:00AM - 10:30AM  | Lecture I                                 | New York                   | QEC Decoding<br>Christopher Chubb, ETH Zurich<br>Earl Campbell, Riverlane & University of Sheffield                | Programming QEC Simulations<br>Andrew Cross, IBM Quantum   | Experimental QEC - Trapped Ions<br>Ken Brown, Duke University<br>Ciaran Ryan-Anderson, Quantinuum                           | Experimental QEC - Trapped Ions<br>Ken Brown, Duke University<br>Ciaran Ryan-Anderson, Quantinuum                | QEC Decoding<br>Christopher Chubb, ETH Zurich<br>Earl Campbell, Riverlane & University of Sheffield                            |  |   |  |
| 10:30AM - 11:00AM | Morning Tea Break                         | Atrium Lobby               | Morning Tea Break  |  |   |  |  |  |   |  |
| 11:00AM - 12:30PM | Lecture II                                | New York                   | Experimental QEC - Trapped Ions<br>Ken Brown, Duke University<br>Ciaran Ryan-Anderson, Quantinuum                  | QEC Decoding<br>Christopher Chubb, ETH Zurich<br>Earl Campbell, Riverlane & University of Sheffield                | QEC Decoding<br>Christopher Chubb, ETH Zurich<br>Earl Campbell, Riverlane & University of Sheffield                         | Programming QEC Simulations<br>Andrew Cross, IBM Quantum   | Experimental QEC - Trapped Ions<br>Ken Brown, Duke University<br>Ciaran Ryan-Anderson, Quantinuum                              |  |   |  |
| 12:30PM - 1:25PM  | Lunch                                     | Winter Palace/West Terrace | Lunch @ Library and the Music Room (Rooms before Winter Palace)  |  |   | Lunch  |  |  |   |  |
| 1:30PM - 2:00PM   | Q&A Sessions                              | New York                   | Q&A Session<br>QEC Decoding<br>Christopher Chubb, ETH Zurich<br>Earl Campbell, Riverlane & University of Sheffield | Q&A Session<br>Programming QEC Simulations<br>Andrew Cross, IBM Quantum  | Q&A Session<br>Experimental QEC - Trapped Ions<br>Ken Brown, Duke University<br>Ciaran Ryan-Anderson, Quantinuum            | Crazy Ideas Session  | Q&A Session<br>QEC Decoding<br>Christopher Chubb, ETH Zurich<br>Earl Campbell, Riverlane & University of Sheffield             |  |   |  |
| 2:00PM - 2:30PM   |   | New York                   | Q&A Session<br>Experimental QEC - Trapped Ions<br>Ken Brown, Duke University<br>Ciaran Ryan-Anderson, Quantinuum   | Q&A Session<br>QEC Decoding<br>Christopher Chubb, ETH Zurich<br>Earl Campbell, Riverlane & University of Sheffield | Q&A Session<br>QEC Decoding<br>Christopher Chubb, ETH Zurich<br>Earl Campbell, Riverlane & University of Sheffield          |  | Q&A Session<br>Experimental QEC - Trapped Ions<br>Ken Brown, Duke University<br>Ciaran Ryan-Anderson, Quantinuum               |  |   |  |
| 2:30PM - 4:30PM   | Unstructured Time                         | N/A                        | Unstructured Time  |  | Unstructured Time   |  |  |  |   |  |
| 4:30PM - 5:00PM   | Open Problems, Student Talks, Crazy Ideas | New York                   | Student Talks @ 4:00PM   | Student Talks @ 4:00PM   | Unstructured Time   | Q&A Session<br>Experimental QEC - Trapped Ions<br>Ken Brown, Duke University<br>Ciaran Ryan-Anderson, Quantinuum | Open Problems - Part II<br>QEC Decoding<br>Christopher Chubb, ETH Zurich<br>Earl Campbell, Riverlane & University of Sheffield |  |   |  |
| 5:00PM - 5:30PM   |   |                            | Felix Thomsen<br>Friederike Butt<br>Varun Seshadri<br>Marco Ballarin<br>Basudha Srivastava<br>Mark Webster         | Arthur Pesah<br>Julian Ding<br>David Scheer<br>Georgia Nixon<br>Ohad Lib<br>Ross Shillito                          | Open Problems - Part I<br>Experimental QEC - Trapped Ions<br>Ken Brown, Duke University<br>Ciaran Ryan-Anderson, Quantinuum | Q&A Session<br>Programming QEC Simulations<br>Andrew Cross, IBM Quantum  | Open Problems - Part II<br>Experimental QEC - Trapped Ions<br>Ken Brown, Duke University<br>Ciaran Ryan-Anderson, Quantinuum   |  |   |  |
| 5:30PM - 6:00PM   | Unstructured Time                         | N/A                        | Unstructured Time  |  |   |  |  |  |   |  |
| 6:00PM - 6:55PM   | Dinner                                    | Winter Palace/West Terrace | Dinner   | Dinner @ Winter Palace   | Dinner  | Social Event:<br>Diversity Panel @ Mary Duke Ballroom (A)  | Dinner   |  |   |  |
| 7:00PM - 8:00PM   | Guest Lectures/Social Time                | New York                   | Guest Lecture<br>Aleksander Kubica, AWS  | Unstructured Time  | Guest Lecture<br>Michael Vasmer, Perimeter Institute  | Dinner @ Winter Palace   | Guest Lecture<br>Leo DiCarlo, TU Delft   |  |   |  |
| 8:00PM - 9:00PM   | Social                                    | Atrium Lobby               | Speaker Social   |  | Speaker Social  | Unstructured Time  | Speaker Social   |  |   |  |

## Week 4

## LDPC Codes

| Time              | Activity                                  | Location/Room              | Mon  | Tue   | Wed   | Thr  | Fri  | Sat   | Sun   |
|-------------------|---|----------------------------|--|---|---|--|--|---|---|
|                   |   |                            | 25   | 26  | 27  | 28   | 29   | 30  | 31  |
| 7:00AM - 8:55AM   | Breakfast                                 | Winter Palace/West Terrace | Breakfast  |   | Breakfast @ Winter Palace   | Breakfast @ Winter Palace<br><b>Lecture begins at 8:30AM</b><br>Experimental QEC - Superconducting Qubits<br><b>Maika Takita, IBM Quantum</b><br>Antonio Córcoles, IBM Quantum<br>Andreas Wallraff, ETH Zurich | Breakfast  | Breakfast: 7:00AM - 9:30AM @ Winter Palace<br><br>Lunch: 12:00PM - 1:30PM @ Winter Palace | Students Depart<br><br>Breakfast: 7:00AM - 9:30AM |
| 9:00AM - 10:30AM  | Lecture I                                 | New York                   | LDPC Codes<br>Nikolas Breuckmann, UCL<br><b>Nicolas Delfosse, Microsoft</b>  | Programming QEC Simulations<br>Andrew Cross, IBM Quantum  | Experimental QEC - Superconducting Qubits<br>Maika Takita & Antonio Córcoles, IBM Quantum<br>Andreas Wallraff, ETH Zurich                           |  | LDPC Codes<br><b>Nikolas Breuckmann, UCL</b><br>Nicolas Delfosse, Microsoft  |   |   |
| 10:30AM - 11:00AM | Morning Tea Break                         | Atrium Lobby               | Morning Tea Break  |   |   | <b>Lecture begins at 10:00AM</b><br>Programming QEC Simulations<br>Andrew Cross, IBM Quantum   | Morning Tea Break  |   |   |
| 11:00AM - 12:30PM | Lecture II                                | New York                   | Experimental QEC - Superconducting Qubits<br>Maika Takita & Antonio Córcoles, IBM Quantum<br><b>Andreas Wallraff, ETH Zurich</b>         | LDPC Codes<br><b>Nikolas Breuckmann, UCL</b><br>Nicolas Delfosse, Microsoft   | LDPC Codes<br>Nikolas Breuckmann, UCL<br><b>Nicolas Delfosse, Microsoft</b>   | <b>Bus leaves at 11:45AM</b>   | Experimental QEC - Superconducting Qubits<br>Maika Takita & Antonio Córcoles, IBM Quantum<br><b>Andreas Wallraff, ETH Zurich</b> |   |   |
| 12:30PM - 1:25PM  | Lunch                                     | Winter Palace/West Terrace | Lunch  |   | Lunch @ Winter Palace   | Social Event:<br>IBM Research BBQ & Lab Tour at IBM Yorktown   | Lunch  |   |   |
| 1:30PM - 2:00PM   | Q&A Sessions                              | New York                   | Q&A Session<br>LDPC Codes<br>Nikolas Breuckmann, UCL<br>Nicolas Delfosse, Microsoft  | Q&A Session<br>Programming QEC Simulations<br>Andrew Cross, IBM Quantum   | Q&A Session<br>Experimental QEC - Superconducting Qubits<br>Maika Takita & Antonio Córcoles, IBM Quantum<br>Andreas Wallraff, ETH Zurich            | Q&A Session<br>LDPC Codes<br>Nikolas Breuckmann, UCL<br>Nicolas Delfosse, Microsoft  |  |   |   |
| 2:00PM - 2:30PM   |   | New York                   | Q&A Session<br>Experimental QEC - Superconducting Qubits<br>Maika Takita & Antonio Córcoles, IBM Quantum<br>Andreas Wallraff, ETH Zurich | Q&A Session<br>LDPC Codes<br>Nikolas Breuckmann, UCL<br>Nicolas Delfosse, Microsoft   | Q&A Session<br>LDPC Codes<br>Nikolas Breuckmann, UCL<br>Nicolas Delfosse, Microsoft   | Q&A Session<br>Experimental QEC - Superconducting Qubits<br>Maika Takita & Antonio Córcoles, IBM Quantum<br>Andreas Wallraff, ETH Zurich   |  |   |   |
| 2:30PM - 4:30PM   | Unstructured Time                         | N/A                        | Unstructured Time  |   | ZX calculus 101 @ 2:30PM<br>Alex Townsend-Teague<br>New York Room<br>Group breakouts 3-4PM<br>(See room assignment in Atrium)                       | Unstructured Time  |  |   |   |
|                   |   | New York                   |  |   | Unstructured Time   |  |  |   |   |
| 4:30PM - 5:00PM   | Open Problems, Student Talks, Crazy Ideas | New York                   | Student Talks @ 4:00PM<br><br>Matt McEwen<br>Joshua Ramette<br>Arkin Tikku<br>Paul Herringer   | Student Talks @ 4:00PM<br><br>Nathan Lacroix<br>Zohar Schwartzman-Nowik<br>Daniel Solis<br>Boris Varbanov<br>Shraddha Singh<br>Alex Townsend-Teague | Capacities for Correcting Quantum Errors<br>Vikesh Siddhu, IBM Quantum  | Open Problems - Part II<br>LDPC Codes<br>Nikolas Breuckmann, UCL<br>Nicolas Delfosse, Microsoft  |  |   |   |
| 5:00PM - 5:30PM   |   |                            |  |   | Open Problems - Part I<br>Experimental QEC - Superconducting Qubits<br>Maika Takita & Antonio Córcoles, IBM Quantum<br>Andreas Wallraff, ETH Zurich | Open Problems - Part II<br>Experimental QEC - Superconducting Qubits<br>Maika Takita & Antonio Córcoles, IBM Quantum<br>Andreas Wallraff, ETH Zurich   |  |   |   |
| 5:30PM - 6:00PM   | Unstructured Time                         | N/A                        | Unstructured Time  |   | Open Problems - Part I<br>LDPC Codes<br>Nikolas Breuckmann, UCL<br>Nicolas Delfosse, Microsoft  | Unstructured Time  |  |   |   |
| 6:00PM - 6:55PM   | Dinner                                    | Winter Palace/West Terrace | Dinner   |   | Dinner @ Winter Palace  | Dinner @ Winter Palace   | Team Building:<br>6:00PM - 7:30PM @ West Terrace<br><br>Dinner:<br>7:30PM - 9:00PM @Winter Palace                                | Closing Dinner & Keynote Speaker<br>Sergey Bravyi, IBM Quantum @ Carriage House           |   |
| 7:00PM - 8:00PM   | Guest Lectures/Social Time                | New York                   | Guest Lecture<br>Anirudh Krishna, Stanford University  | Guest Lecture<br>Craig Gidney, Google on Webex  | Guest Lecture,<br>Ted Yoder, IBM Quantum  | Unstructured Time  |  |   |   |
| 8:00PM - 9:00PM   | Social                                    | Atrium Lobby               | Speaker Social   | Speaker Social  | Speaker Social  |  |  |   |   |