As of June 7 subject to change.

Week 1

QEC Foundations
Bosonic Code Foundations
Programming OFC Decoders

Time	Activity	Location/Room	Mon	Tue	Wed	Thr	Fri	Sat	Sun	
		-	4	5	6	7	8	9	10	
7:00AM - 8:55AM	Breakfast	Biddle Mansion - Winter Palace/West Terrace								
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		
12:30PM - 1:25PM	Lunch	Palace/West Terrace Sunnyside								
1:30PM - 2:00PM			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	
2:00PM - 2:30PM	Unstructured	Lyndhurst		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	Breakfast: 7:00AM - 9:30A Lunch: 12:00PM - 1:30PM Dinner: 6:00PM - 9:00PM	
2:30PM - 4:30PM			Unstructured Time/ Office Hours with Admin Team for on-site support		Unstructured Time					
4:30PM - 5:00PM	Open Problems, Student Talks, Crazy Ideas	olems, dent Talks,		Unstructured Time	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			Onstructured Time	Olstructured Time	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			Unstructured Time					
6:00PM - 6:55PM	Dinner	Biddle Mansion - Winter								
7:00PM - 8:00PM	Guest Lectures/Social Time		4th of July Event @ Duke Terrace	Keynote Speaker, Daniel Gottesman, UMD Mary Duke Ballroom	Guest Lecture Natalie Brown, Quantinuum	Women in Quantum Social @ West Terrace	Guest Lecture Liang Jiang, The University of Chicago	Unstructured Time		
8:00PM - 9:00PM	Social	Atrium Lobby		Speaker Social	Speaker Social		Speaker Social			

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Week 2

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

Experimental QEC - Bosonic Codes 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		10	10		
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 & Volodymyr Sivak, Yale University	Experimental QEC - Bosonic Codes Alec Eickbusch, Yale University Volodymyr 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, & Volodymyr 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 & Volodymyr 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 & Volodymyr Sivak, Yale University		Q&A Session Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum	Breakfast: 7:00AM - 9:30AM	
2:00PM - 2:30PM	-Q&A Sessions	Lyndhurst	Q&A Session Experimental QEC - Bosonic Codes Michel Devoret, Alec Eickbusch, & Volodymyr Sivak, Yale	Q&A Session Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiOuantum	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 Alec Eickbusch & Volodymyr Sivak, Yale University	Lunch: 11:30AM - 12:30PM Hudson River Cruise :	Study/Off Breakfast: 7:00AM - 9:30AM Lunch: 12:00PM - 1:30PM Dinner: 6:00PM - 9:00PM	
2:30PM - 4:30PM	Unstructured Time	N/A		Unstructured Time			Unstructured Time			
4:30PM - 5:00PM		Experimental QEC - Bosor Codes Alec Eickbusch & Volodyn Sivak, Yale University	Alec Eickbusch & Volodymyr		Open Problems - Part II Fault Tolerance - Logical Gates Ben Brown, IBM Quantum Daniel Litinski, PsiQuantum					
5:00PM - 5:30PM	Student Talks, Crazy Ideas	Crazy Ideas	Student Talks, Crazy Ideas	·	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 & Volodymyr 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			

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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					
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	New York	Student rains	Stagent rains	Open Problems - Part I QEC Decoding Christopher Chubb, ETH Zurich Earl Campbell, AWS	State y 20083 36331011	Open Problems - Part II Experimental QEC - Trapped Ions Ken Brown, Duke University Ciaran Ryan-Anderson, Quantinuum			
5:30PM - 6:00PM Unstructured Time	N/A			Unstructured Time					
6:00PM - 6:55PM Dinner	Winter Palace/West Terrace	Dinner			Social Event: Diversity Panel @ Mary Duke Ballroom	Dinner			
7:00PM - 8:00PM Time	New York	Guest Lecture Aleksander Kubica, AWS	Unstructured Time	Guest Lecture Michael Vasmer, Perimeter Institute	Dinner @ Mary Duke Ballroom	Guest Lecture Leo DiCarlo, TU Delft			
8:00PM - 9:00PM Social	Atrium Lobby	Speaker Social		Speaker Social	Unstructured Time	Speaker Social			

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Week 4

LDPC Codes

Experimental QEC - Superconducting Qubits Programming QEC Simulations										
Time Activity	Location/Room	Mon	Tue	Wed	Thr	Fri	Sat	Sun		
7:00AM - 8:55AM Breakfast	Winter Palace/West Terrace	25	26	27 Breakfast	28	29	30	31		
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 Morning Tea 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		Students Depart AM Breakfast: 7:00AM - 9:30AM		
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	Social Event TBA Breakfast: 7:00AM - 9:30AM Lunch & Dinner: TBA			
Q&A Sessions	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	Luich & Dillier. 1DA			
2:30PM - 4:30PM Unstructured Time	N/A		Unstructured Time			Unstructured Time				
4:30PM - 5:00PM Open Problems, Student Talks, Crazy Ideas 5:00PM - 5:30PM	New York	Student Talks	Student Talks	Open Problems - Part I Experimental QEC - Superconducting Qubits Maika Takita & Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich Open Problems - Part I LDPC Codes	- Crazy Ideas Session	Open Problems - Part II LDPC Codes Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft Open Problems - Part II Experimental QEC - Superconducting Qubits				
				Nikolas Breuckmann, UCL Nicolas Delfosse, Microsoft		Maika Takita & Antonio Córcoles, IBM Quantum Andreas Wallraff, ETH Zurich				
5:30PM - 6:00PM Unstructured Time	N/A		1							
6:00PM - 6:55PM Dinner	Winter Palace/West Terrace	Dinner					Closing Dinner & Keynote Speaker			
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	Sergey Bravyi, IBM Quantum @ Carriage House			
8:00PM - 9:00PM Social	Atrium Lohby	um Lobby Speaker Social		Speaker Social	1		Speaker Social			