

Sunday, July 8th		
Conference Excursion		
Monday, July 9 th		
18:00-18:30 (conference introductory talk)	Avshalom Elitzur	Subtle Quantum Measurements Straining Ordinary Causality
Tuesday, July 10 th		
08:30-09:00 (conference plenary)	TBA	General conference talks / time for informal interactions
09:00-09:30 (conference plenary)	TBA	General conference talks / time for informal interactions
09:30-10:00 (conference plenary)	Onur Hosten	Quantum Metrology Frontiers with Cold Atoms
10:00-10:30 (conference plenary)	Pawel Horodecki	From Quantum Correlations to No-Signaling and Beyond
10:30-11:00	Coffee break	
11:00-13:00	Morning Session I	Chair: Onur Hosten
11:00-11:30	Xiao-Ye Xu	Measurement of Nonlocal Observables and Its Applications
11:30-12:00	Fabrizio Piacentini	Novel measurement protocols: from Protective Measurements to Robust Weak Measurements
12:00-12:30	Aharon Brodutch	Towards an Ontological Theory with Weak Values
12:30-13:00	Ralph Silva	Anomalous Weak Values without Post-Selection
13:00-14:30	Lunch break	
14:30-16:00	Afternoon Session I	Chair: Moshe Goldstein
14:30-15:00	Andrea Alberti	Revealing Quantum Statistics with a Pair of Distant Atoms
15:00-15:30	Yutaka Shikano	Geometric Phase with Decoherence
15:30-16:00	Sorin Paraoanu	Superadiabatic Stimulated Raman Passage via Synthetic Aharonov-Bohm Phases
16:00-16:15	Coffee break	
16:15-17:45	Afternoon Session II	Chair: Alonso Botero
16:15-16:45	Eli Pollak	Consequences of Time Averaging of Weak Values
16:45-17:15	Chariton Dreismann	Weak values and weak measurement in elementary scattering and reflectivity – a new effect
17:15-17:45	Daniel Rohrlich	Deriving Classical and Quantum Mechanics in Parallel
17:45-18:45 (conference plenary)	Yakir Aharonov	Weak Reality in the Quantum Domain
19:00-20:00	Public talk by Albert de Roeck (English)	
20:00-21:30	Dinner	
21:30-22:30	Opera Gala	

Wednesday, July 11 th		
08:30-09:00 (conference plenary)	TBA	General conference talks / time for informal interactions
09:00-09:30 (conference plenary)	TBA	General conference talks / time for informal interactions
09:30-10:00 (conference plenary)	Marek Czachor	Flow and Superpositions of Quantum Time: An old Experiment and some new Ideas
10:00-13:00 (conference plenary)	Ebrahim Karimi	Twisted Quantum Waves
10:30-11:00	Coffee break	
11:00-13:00	Morning Session II	Chair: Ebrahim Karimi
11:00-11:30	Pieter Kruit	Interaction Free Measurements in Electron Microscopy
11:30-12:00	Vincenzo Grillo	Quantum Experiments with a Transmission Electron Microscope
12:00-12:30	Luis Sanchez-Soto	Extremal quantum states
12:30-13:00	Dmitry Karlovets	Non-Paraxial Effects in the Quantum Scattering of Wave Packets
13:00-14:30	Lunch break	
14:30-16:00	Afternoon Session III	Chair: Daniel Sheehan
14:30-15:00	Yuval Gefen	How to Directly Observe Quantum Discord
15:00-15:30	Alessandro Romito	Thermodynamics of Weakly Measured Quantum Systems
15:30-16:00	Moshe Goldstein	Anyonic Statistics hidden due to "Which Path" Detection by Upstream Neutral Modes in Quantum Hall Interferometers
16:00-16:30	Coffee break	
16:30-18:30	Afternoon Session IV	Chair: Yutaka Shikano
16:30-17:00	Holger Hofmann	Quantum Mechanics as a Theory of Cause and Effect: Why there is no Reality without a Corresponding Action
17:00-17:30	Lajos Diosi	Dynamical Interaction at the least Decoherence, from Local Measurement and Classical Communication
17:30-18:00	David Bruschi	Nonlinear Interactions in Relativistic and Quantum Physics

18:00-18:30	Alonso Botero	Scalar field theory regularization scheme using Weak Values
18:30-19:30	Round Table (conference) – Future of Fundamental Physics	
20:00-23:30	Conference Dinner + Cretan Music and Dance	
Thursday, July 12 th		
08:30-09:00	TBA	General conference talks / time for informal interactions
09:00-09:30 (conference plenary)	Eliahu Cohen	Quantum Entanglement – New theoretical Results and forthcoming Experiments
09:30-10:00 (conference plenary)	Avshalom Elitzur	Can a Particle be where it never went? - some recent surprising predictions
10:00-10:30 (conference plenary)	Sandu Popescu	TBA
10:30-11:00	Coffee break	
11:00-13:00	Morning Session III	Chair: Marek Czachor
11:00-11:30	Avishy Carmi	Multiplicative Bell inequalities
11:30-12:00	Arun Pati	Stronger Uncertainty and Reverse Uncertainty Relations
12:00-12:30	Lorenzo Maccone	A fundamental problem in quantizing general relativity
12:30-13:00	Ivan Horvath	A Different Angle on Quantum Uncertainty
13:00-14:30	Lunch break	
14:30-17:00	Afternoon Session V	Chair: Alessandro Romito
14:30-15:00	Bengt Svensson	Some question marks surrounding quantum-mechanical weak values
15:00-15:30	Daniel Sheehan	Experimental Tests of Supradegeneracy and the Second Law of Thermodynamics
15:30-16:00	Keun-Young Kim	Complexity in Quantum Field Theory and Gravity
16:00-16:30	Coffee Break	
16:30-17:00	Hyunseok Jeong	Quantification and Unification of Quantum Macroscopicity, Coherence, and Nonclassicality
17:00-18:30	Parallel Session I	Chair: Arun Pati
17:00-17:30 (parallel session I)	David Bruschi	Work drives time evolution

17:30-18:00 (parallel session I)	Cai Waegell	TBA
18:00-18:30 (parallel session I)	Sergey Mironov	Topological Entanglement and Knots
17:00-18:30	Parallel Session II	Chair: Lorenzo Maccone
17:00-17:30 (parallel session II)	Michalis Skotiniotis	Identification of malfunctioning quantum devices
17:30-18:00 (parallel session II)	Michalis Skotiniotis	Is there Physics Underling the Relativistic Quantum Mechanics?
18:00-18:30 (parallel session II)	Chen Geng	Heisenberg-limited Measurement of Single Photon Kerr Nonlinearity
18:30-20:00	Cultural Event	
20:00-21:30	Dinner	
21:30-22:30	Concert	