		Monday 21 August 2107		
09:00-09:45		Monday 21 August 2107		
09:00-09:45	conference plenary talk conference plenary talk			
10:30-11:00		Coffee Break		
Continuous Variables and Relativistic Quantum Information Workshop (in parallel to the main conference)				
11:00-11:30	Maria Chekhova	Phase supersensitivity in an unbalanced SU(1,1) interferometer		
11:30-12:00	Ulrik Andersen	Squeezed light enhanced sensing of a micro-mechanical oscillator		
12:00-12:30	Radim Filip	Highly nonlinear quantum optics and optomechanics		
12:30-13:00	Christian Müller	From Quantum-Limited Measurements towards Quantum Squeezing Detection over Satellite Links		
13:00-15:00		Lunch Break		
15:00-15:20	Vladimir Shevchenko	Quantum measurements in finite space-time domain		
15:20-15:40	Aurelian Isar	Dynamics of quantum correlations in two-mode Gaussian open quantum systems		
15:40-16:00	Tatiana Mihaescu	Gaussian quantum steering of two bosonic modes in a squeezed thermal environment		
16:00-16:30		Coffee Break		
16:30-17:00	Ladislav Mista	Gaussian intrinsic entanglement		
17:00-17:30	Petros Wallden	Relativistic and Device Independent Verifiable Quantum Computation		
17:30-17:50	Matthew Thornton	Gigahertz quantum signatures compatible with telecommunication technologies		
17:50-18:10	Tom Douce	Quantum advantage and fault tolerant universal quantum computing in continuous variables		
19:30-20:30 20:30		Poster Session dinner		
20.30		diffier		
		Tuesday 22 August 2017		
08:30-09:00	Angelo Bassi	Models of spontaneous wave function collapse: what they are and how they can be tested		
09:00-09:45	Yakir Aharonov	Finally making sense of the double-slit experiment		
(conference plenary)	/ /			
09:45-10:30	Michael Berry	TBD		
(conference plenary)				
10:30-11:00		Coffee Break		
	Continuous Variables and Relativistic Quantum Information Workshop (in parallel to the main conference)			
11:00-11:30	Claude Fabre	Quantum Frequency Combs: generation, characterization and applications		
11:30-12:00 12:00-12:30	Nicolas Menicucci	Continuous quantum variables: from quantum computing to relativistic quantum information		
12:30-13:00	David Bruschi Sorin Paraoanu	Work is the source of gravity Tripartite continuous-variables coherence and entanglement from vacuum fluctuations		
13:00-15:00	Joini arabana	Lunch Break		
15:00-15:20	Cedric Beny	Information-disturbance tradeoff in quantum field theory		
15:20-15:40	Avi Pe'er	Ultrafast Quantum Key Distribution with Ultra-Broad Squeezed Light		
15:40-16:00	Theo Torres	Observing superradiance in a vortex flow		
16:00-16:30		Coffee Break		
16:30-17:00	Andrzej Dragan	Counting Unruh particles		
17:00-17:20	Maxime Jacquet	Mixing of positive and negative frequency waves at the optical horizon		
17:20-17:40	Mischa Woods	Autonomous quantum machines and finite sized clocks		
17:40-18:10	Vesna Berec	Quantum networks: topology and spectral characterization		
20:30		dinner		
		Wednesday 23 August 2017		
08:30-09:00	Eliahu Cohen	Novel aspects of nonlocality - theory and experiment		
09:00-09:45	Ivette Fuentes	Gravity in the quantum lab		
(conference plenary)	iverte i delites	Gravity in the quantum lab		
09:45-10:30	Jens Eisert	Boson sampling, quantum simulators and the quest for superior quantum devices		
(conference plenary)	Jens Lisert			
10:30-11:00		Coffee Break		
Continuous Variab	oles and Relativistic Qua	antum Information Workshop and Quantum Foundations and Quantum Information Workshop		
		(Joint Session)		
11:00-11:30	Lorenzo Maconne	Quantum time mechanism, towards quantum spacetime		
11:30-12:00	Ralf Schützhold	Fundamental quantum effects in the laboratory?		
12:00-12:30	Ady Stern	Condensed matter systems for topological quantum computation		
12:30-13:00	Yuval Gefen	Manifestation and detection of discord in nanostructures		
13:00-14:45		Lunch Break		
14:50-15:00	Alessandro Romito	Opening words (Quantum Foundations and Quantum Information workshop)		
15:00-15:30 15:30-16:00	Yutaka Shikano	Ubiquitous non-local entanglement with Majorana bound states Quantum dynamical simulation by quantum walk		
16:00-16:30	i utaka SilikaliU	Coffee Break		
16:30-17:00	Lajos Diosi	Pure state post-selection is universal		
17:00-17:30	Angelo Bassi	Wave function collapse and gravity		
	-	Matter waves exposed to the external world: Decoherence, gravity, complementarity		
17:30-18:00	Ron Folman	and time irreversibility		
18:00-18:30	Andrea Alberti	Testing the superposition principle with individual trapped atoms		
20:00-23:00		Conference Dinner with Cretan Music and Dance		

		Thursday 24 August 2017
	Quantum Foundations	and Quantum Information Workshop (in parallel to the main conference)
09:00-09:30	Ryo Okamoto	One quantum shutter can close two slits simultaneously
09:30-10:00	Avshalom Elitzur	Novel manifestations of quantum oblivion
10:00-10:30	Daniel Rohrlich	Locality and nonlocality in the interaction-free measurement
10:30-11:00		Coffee Break
11:00-11:30	Yakir Aharonov	The fascinating properties of weak values
11:30-12:00	Michael Berry	Faster than Fourier (pre)visited: vorticulture, noise, fractals
12:00-12:30	Lev Vaidman*	TBD
12:30-13:00	Justin Dressel	What does the measured record of a continuously monitored qubit really show?
13:00-14:55		Lunch Break
15:00-15:30	Sorin Paraoanu	Experimental realization of a shortcut to adiabaticity by synthetic Aharonov-Bohm effect in a qutrit
15:30-16:00	Daniel Sheehan	Statistical superdegeneracy and quantum foundations
16:00-16:30	<u>'</u>	Coffee Break
16:30-17:00	Maurice de Gosson	Planck's constant as a cosmological variable: transitions from the quantum to the classical
17:00-17:30	David Ellerman	Logical information theory: New foundations for classical and quantum information theory
17:30-18:00	Giuseppe Castagnoli	Fundamental mechanism of the quantum computational speedup
20:00-22:00	11 0	Dinner + Opera Gala
00.00.00.20		and Quantum Information Workshop (in parallel to the main conference)
09:00-09:30	Shao-Ming Fei	Quantum uncertainty relations and related
09:30-10:00	Eliahu Cohen	Quantum mechanics is at most two-thirds local-realistic
10:00-10:30	Avishy Carmi	Invariance of uncertainty determines quantum nonlocality
10:30-11:00		Coffee Break
11:00-11:30	Yuji Hasegawa	Counter-intuitive phenomena in quantum mechanics emerging in matter-wave optical experiments
11:30-12:00	Fabrizio Piacentini	Weak measurements: From measuring non-commuting observables and testing quantum contextuality to protective measurements
12:00-12:30	Avi Pe'er	Ultrafast Optical Homodyne - Measuring the Fundamental Variables of Quantum Optics 10^5 Times Faster
12:30-13:00	Ebrahim Karimi	Quantum cryptography with structured photons
13:00-14:30		Lunch Break
14:30-15:00	Mohammed Sanduk	The analogy of equation of rotation in complex plane with the Dirac equation, and its
(parallel session 1)		foundation
15:00-15:30	Mark Mitchison	Autonomous quantum clocks: does thermodynamics limit our ability to measure time?
(parallel session 1)		
14:30-15:00	Chuan-Feng Li	Solid state quantum memory
(parallel session 2)		
15:00-15:30	Sergey Mironov	Towards topological quantum computer
parallel session 2)	55.65,	. o . a . a . copo a guaritam compater
14:30-15:00	Luis Gonzalez-Mestres	The nature and origin of quantum mechanics
parallel session 3)	- Tail Gollagicz Wichtles	The nature and ongin of quantum mechanics
15:00-15:30 (parallel session 3)	Cristi Stoica	Wavefunction collapse, conservation laws, and unitary evolution
15:30-15:55		Coffee break + Closing words
16,00 22,00	1	Everygien to Chamin

Excursion to Chania

16:00-23:00