

AtomQT: Quo Vadis

Programme:

April 2018

W16	Mon 16	Tue 17		Wed 18
all-day	AtomQT Quo Vadis?			
	Welcome			
10:00	10:00 WP1: Ernst Rasel	10:00 WP3: Veronica Ahufinger	10:00 Talk 3.1: Andrea Bertoldi	
		10:30 Talk 2.1: Fatima Bouchama	10:30 Talk 3.2: Dennis Schlippert	
11:00	11:00 Coffee	11:00 Coffee	11:00 Coffee	
	11:30 Talk 1.1: Uwe Sterr	11:30 Talk 2.2: Thomas Fernholz	11:30 Talk 3.3: Nassim Zahzam	
12:00	12:00 Talk 1.2: Philipp Haslinger	12:00 Talk 2.3: Eric Charron	12:00 Talk 3.4: Peter Domokos	
	12:30 Lunch	12:30 Lunch	12:30 Lunch	
13:00				
14:00	14:00 WP2: Philippe Bouyer	14:00 Round table on (Quantum) Physics and Society		14:00 Talk 3.5: Wojciech Gawlik
				14:30 Talk 3.6: Christian Schubert
15:00	15:00 Coffee	15:00 Coffee	15:00 Coffee	
	15:30 Talk 1.3: Markus Krutzik	15:30 MC meeting	15:30 Free for non MC members	15:30 Talk 3.7: Andrea Trombettoni
16:00	16:00 Talk 1.4: Wolf von Klitzing			16:00 Closing Remarks
	16:30 Coffee			
17:00	17:00 Round table on Atom Quantum Technologies Breakthrough tech and applications (also Roadmap)			
18:00	18:00 Lab visits	17:45 Lab visits		
19:00	Transport			
	19:00 Conference Dinner at Erganos			

AtomQT: Quo Vadis Programme

Monday, 16/4

Session	Speaker	Title
WG1	Ernst M. Rasel	Break-Through Technologies
1.1	Uwe Sterr	Optical Atomic Clocks: Current Status, Applications and Perspectives
1.2	Philipp Haslinger	"Gravity, Blackbody Radiation and Chameleons - Towards lattice atom interferometry"
WG2	Philippe Bouyer	AtomQTech Goes Commercial
1.3	Markus Krutzik	Miniaturized Optical Technologies - capability areas in atomic quantum sensors and beyond
1.4	Wolf von Klitzing	Atomtronics

Tuesday, 17/4

WG3	Veronica Ahufinger	Quantum Physics and Society
2	Peter Jeglic	10min on the website
2.1	Fatima Bouchama	15 min on Cost
2.2	Thomas Fernholz	Atoms for medical magnetometry
2.3	Eric Charron	Laser-induced electron diffraction in atomic and molecular systems

Wednesday, 18/4

3.1	Andrea Bertoldi	Atomic physics and gravitational wave detection
3.2	Dennis Schlippert	Atom interferometry using macroscopic superposition states: applications and fundamental tests
3.3	Nassim Zahzam	Cold atom interferometry: from ground to space
3.4	Peter Domokos	Cavity quantum electrodynamics with ultracold atoms
3.5	Wojciech Gawlik	Magnetometry with atoms
3.6	Christian Schubert	Gravitational wave detection based on atom interferometry
3.7	Andrea Trombettoni	Y-junctions for quantum simulations and atomtronics
3.8	Wolf von Klitzing	Closing remarks

How to reach Heraklion centre

From the Airport

By bus: The airport is very well-connected to the city centre by public bus. One-way ticket price is € 1.70.

By taxi: It takes less than 10 minutes to get to the city centre and costs no more than € 15.

From the Ferry Port

Most city hotels are within walking distance from the Port of Heraklion. By taxi: It takes less than 5-10 minutes to get to any of the city hotels and costs no more than € 10.

How to reach the meeting at FORTH

The buildings of FORTH ([map](#)) is located about 10 km South-West from the Heraklion centre and can be reached by:

Conference bus there will be a bus taking off 09:00 on Monday, and 09:30 on Tuesday and Wednesday from KTL (xsee map below). The bus will take you back to town after the meeting.

Bus line No 8 connects the city centre directly to FORTH. (Please note: Sign on bus reads "I.T.E."). Stopping at the city centre, Eleftherias Square (Platia Eleftherias), bus- stop outside Astoria Hotel (see city map above) at about: 07:30, 08:40, 11:40, 14:10, 15:10, 17:30, 19:50, 21:25. FORTH to city centre, bus departure at : 08:00, 09:10, 12:15, 14:40, 16:10, 18:00, 20:10, 21:35.

Bus line No 11 connects the city centre directly to the university Hospital (Please note: Sign on bus reads "ΠΑΓΝΗ") stopping about

300m from FORTH. Frequency: 15- 20 min. Ticket costs € 1.70 and can be purchased at special vending machines near bus stop or at city kiosks. Please make sure you get your return ticket in advance.

By taxi: It takes about 15-20 minutes to get to FORTH from the Heraklion city centre and costs no more than € 15. Please advise the cab driver that you are going to “ITE” (pronounced EETAΕ, located near the University Hospital).



