

Workshop at the Institute of Science and Technology Austria

Thursday, June 13, 2024 • [Location](#): **Moonstone Building** (ground floor), Am Campus 1, 3400 Klosterneuburg

Time	Event	Details
Optional Events		
10:30-12:30	VCQ π -Day	only for VCQ Pls
12:00-12:30	Registration Lunch Vouchers	Moonstone, hallway
12:30-13:30	Lunch Coffee	ISTA Cafeteria Error Bar (central building)
Opening		
13:30-13:45	ISTA at a Glance	Deputy Managing Director at ISTA, Barbara Abraham
13:45-14:00	quantA: State of Play	quantA Director of Research, Gregor Weihs quantA Scientific Manager, Marion Wieser
14:00-14:15	quantA Teaching Unit Update	Joerg Schmiedmayer
New Core Projects		
14:15-14:40	Thomas Pohl	Dynamics and thermodynamics of long-range interacting quantum systems
14:40-15:05	Markus Arndt	Ion-trap technologies for mesoscopic quantum states
15:05-15:30	Onur Hosten	Controlled hybrid gravitational and electromagnetic interactions near the quantum regime
15:30-16:00	Networking Coffee Break	Researchers and Admins
Tech Transfer & Posters		
16:00-16.30	Quantum Innovation Labs	Borivoje Dakic
16:30-18:00	Poster Session	Moonstone, hallway
QuantA Session for Admins		
14:00-15:15	Intro and Presentations	Moonstone, seminar room E zoom link: TBA
16:00-18:00	CoE Reporting Collaboration	Moonstone, seminar room E zoom link: TBA
Joint dinner with Admins		
18:30 -	Barbecue and Bonfire	20-30 min hike to Redlingerhuette

Bus Schedule on Thursday:

- from **Wien Westbahnhof at 11:15** (Felberstrasse behind parking lot by K1 + K2/side of the railway)
- from **Wien Main Station at 11:45** (Exit Sonnwendgasse, hop-on-hop-off station) to ISTA (12:45)
- from **ISTA at 21:00** (in front of Lab Building West) to Klosterneuburg (Muehlengasse, Stadtplatz, Bahnhof Weidling) and Wien Heiligenstadt metro station (about 21:15)
- also: regular [ISTA shuttle bus](#) and [bus line 400](#) to/from Wien Heiligenstadt metro station

Friday, June 14, 2024 • [Location](#): **Moonstone Building** (ground floor), Am Campus 1, 3400 Klosterneuburg

Time	Event	Details
8:30-9:00	Networking Coffee Break	
Highlights & Emerging Topics		
9:00-9:25	Robert Ott	Probing long-range topological entanglement in quantum simulators
9:25-9:50	Philipp Haslinger	Free electron quantum optics
9:50-10:10	Networking Coffee Break	
New Core Projects		
10:10-10:35	Iva Brezinova	Quantum measurement without a collapse
10:35-11:00	Miguel Navascues	Rigorous estimates for quantum many-body systems
11:00-11:25	Carlos Gonzalez-Ballester	Ion-assisted non-Gaussian quantum states of levitated nanoparticles
11:25-11:45	Networking Coffee Break	
Outreach & Communication		
11:45-12:00	VISTA @ ISTA	ISTA Head of Science Education, Christian Bertsch
12:00-12:15	Communication Unit Update	Armando Rastelli Communication & Transfer Officer, Michaela Eder-Jahn
Closing		
		Gregor Weihs, Marion Wieser & the quantA board
12:15-12:30	quantA: Wrap-up and Discussion	Outlook: events & upcoming funding opportunities collecting feedback and suggestions defining action points
Optional Events		
12:30-14:00	Lunch Coffee	ISTA Cafeteria Error Bar (central building)
13:00-14:00	ISTA Lab Tours	VCQ groups: Hosten, Serbyn, Katsaros, Fink, Lemeshko Quantum Materials and Ultrafast: Baykusheva, Polshyn, Modic, Alpichshev
quantA for PostDocs		
14:00-16:00	Borivoje Dakic quantA board	Introduction to quantA and VCQ: Exploring opportunities for postdocs

Bus Schedule on Friday:

- from **Wien Heiligenstadt** at **8:15** (U4 Metro Station, Bus station Boschstrasse) to Klosterneuburg **Bahnhof Weidling (8:25)**, **Stadtplatz (8:35)**, **Muehlengasse (8:38)**, to ISTA (9:00)
- also: regular [ISTA shuttle bus](#) and [bus line 400](#) to/from Wien Heiligenstadt metro station

Funded by Austrian Science Fund (FWF): COE1