



**FORTH
QU**Tech

Center for Quantum Science and Technologies
FOUNDATION FOR RESEARCH AND TECHNOLOGY - HELLAS

FORTH-QuTech kick-off meeting 11-13 June 2025

- [Location of the Welcome reception & Lab tour on 11th of June: FORTH central building](#)
- [Location of the kick-off meeting on 12th, 13th of June: ENISA building](#)

Scientific Program

Wednesday 11 June			
13:00-16:00	Welcome reception	Registration, drinks and food (Location: FORTH central building)	
16:00-18:00	Lab tour	Labs tour at FORTH Institutes (Location: FORTH central building)	
Thursday 12 June			
Chair: G. Vasilakis (IESL)			
09:20-09:25	Vasilios Charmandaris	Chairman, Board of Directors, FORTH, GR	Introduction to FORTH
09:25-09:30	Emmanuel Stratakis	Deputy Director of IESL, GR	Introduction to IESL
09:30-09:40	Paraskevas Tzallas	FORTH-QuTech Coordinator, GR	Introduction to FORTH-QuTech
09:40-10:25	Tommaso Calarco (Plenary)	Forschungszentrum Jülich, DE	Quantum technologies in EU: Current status and future steps
10:25-11:00	Coffee break		
Chair: G. Stamatiou (ICS-FORTH)			
11:00-11:45	Eugene S. Polzik (Plenary)	Niels Bohr Institute, DK	Beyond standard quantum limits: Quantum Mechanics in a Quantum Reference Frame
11:45-11:55	George Vasilakis	IESL-FORTH, GR	Quantum Magnetometry at IESL-FORTH
11:55-12:05	David Petrosyan	IESL-FORTH, GR	Quantum simulations of strongly interacting few- and many-body systems at IESL-FORTH
12:05-13:20	Lunch		
Chair: H. Kondylakis (ICS-FORTH)			
13:20-14:05	Frank Leymann (Plenary)	University of Stuttgart, DE	Quantum Software: An Architectural Perspective
14:05-14:25	George Stamatiou	ICS-FORTH, GR	Hybrid Quantum-Classical Adaptive Computing Systems
14:25-14:45	Dimitrios Angelakis	TU Crete (Chania), GR & CQT, SG	Qubit efficient quantum computing and applications

14:45-15:10	Coffee break		
Chair: D. Petrosyan (IESL)			
15:10-15:55	Radim Filip (Plenary)	Palacký University Olomouc, CZ	Non-Gaussian quantum physics
15:55-16:05	Paraskevas Tzallas	IESL-FORTH, GR	Quantum light and Technologies at IESL-FORTH
16:05-16:15	Von Klitzing Wolf	IESL-FORTH, GR	BEC and Matterwaves at IESL-FORTH
16:15-16:35	Emmanuel Paspalakis	UoP, GR	Quantum Technologies at Univ. of Patras
16:35-17:30	Poster Session*	Poster presentations of key activities of FORTH Institutes (not necessarily related to Quantum Technologies)	
17:30-18:15	FORTH Director, Directors of FORTH Institutes, FORTH-QuTech "task force", and Plenary speakers		Round table discussion
	DINNER		
Friday 13 June			
Chair: von W. Klitzing (IESL)			
09:15-10:00	Eleni Diamandi (plenary)	CNRS, Sorbonne Univ., Paris, FR	Quantum Cryptography: Current Status and Future Perspectives
10:00-10:10	George Nikolopoulos	IESL-FORTH, GR	Quantum communication and Cryptography at IESL-FORTH
10:10-10:30	Haridimos Kondylakis	ICS-FORTH, GR	Query Optimization exploiting Quantum Computing
10:30-11:20	Coffee break		
Chair: G. Nikolopoulos (IESL)			
11:20-12:05	Morgan W. Mitchell (plenary)	ICREA & ICFO, Barcelona, ES	Quantum sensing of magnetic fields: quantum limits of existing methods and prospects for new technologies
12:05-12:20	Ioannis Kominis	UoC, GR	Quantum biology and sensing at Univ. of Crete (Heraklion)
12:20-12:40	Panagiotis Dimitrakis	IQCQT, GR	Quantum Technologies in IQCQT-Demokritos, Athens
12:40-13:50	Lunch		
Chair: G. Zacharakis (IESL)			
13:50-14:35	Pavlos Savvidis (plenary)	Westlake Univ., Hangzhou, CN & IESL-FORTH, GR	Quantum Light and Fluids: Applications in Photonic Simulation and Annealing
14:35-14:45	Nikos Pelekanos	UoC & IESL-FORTH, GR	Practical Single-Photon Emitters based on InAs Quantum Dots
14:45-14:55	Georgios Kavoulakis	HMU,GR	Quantum Technologies in Hellenic Mediterranean University
14:55-15:05	Spyros Sotiriadis	IESL-FORTH & UoC, GR	Entanglement in a quantum many-body system
15:05-15:10	Paraskevas Tzallas	IESL-FORTH, GR	Closing remarks

****Poster presentations will be available throughout the duration of the kick-off meeting.***