

KOBİT |7) QUANTUM OPTICS AND INFORMATION MEETING 02.02.2023

09:00-09:30	KAYIT/ REGISTRATION
09:30-09:50	AÇILIŞ/ START
Başkan/Chair	NIHAN KOŞKU PERKGÖZ
09:50-10:40	MAURO PATERNOSTRO-QUEEN'S UNIVERSITY BELFAST Quantum neuromorphic approach for efficient sensing of gravity-induced entanglement
10:40-11:10	DENİZ AYBAŞ TÜMTÜRK-UNIVERSITY OF CALIFORNIA BERKELEY Quantum sensors for precision magnetometry
11:10-11:40	BULAT RAMEEV-GEBZE TECHNICAL UNIVERSITY Strongly Coupled MW-Magnon Systems for Potential Applications in Quantum Frequency Conversion
11:40-14:00	ÖĞLE YEMEĞİ / LUNCH
Başkan/Chair	SEÇİL ŞENTORUN
14:00-14:30	GIACOMO GUARNIERI-FREIE UNIVERSITAT BERLIN Thermodynamics of precision in quantum thermal machines: theory and experiment
14:30-15:00	OĞUZ GÜLSEREN-BILKENT UNIVERSITY Why optical properties of 2D materials are interesting?
15:00-15:30	ALHUN AYDIN-HARVARD UNIVERSITY Coherent state picture of charge carrier-lattice vibration dynamics
15:30-16:20	ÇAY ARASI / COFFEE BREAK
Başkan/Chair	ASLI TUNCER
16:20-16:40	ONUR PUSULUK-KOÇ UNIVERSITY Witnessing superpositions of causal orders by weak measurements at a given time
16:40-17:00	LEA GASSAB-KOÇ UNIVERSITY Can the human eye detect multipartite entangled state?
Başkan/Chair	DENİZ AYBAŞ TÜMTÜRK POSTER SESSION
17:00-18:00	A.ORUN, K. ULLAH, K. ÇEVEN, B. SÜTLÜOĞLU, M. YEŞİLLER, C. YAŞAR, H. GÖKALP, A. TUNCER; İ. AHMADALIDOTH
19:30	KONFERANS YEMEĞİ /CONFERENCE DINNER

KOBİT |7) QUANTUM OPTICS AND INFORMATION MEETING 03.02.2023

Başkan/Chair	NESLIHAN ŞAHİN
09:00-09:30	AVIJIT MISRA-WEIZMANN INSTITUTE OF SCIENCE Work extraction from thermal noise by measurements and nonlinear interactions in quantum optical setups
09:30-10:00	SHANE KELLY-JOHANNES GUTENBERG UNIVERSITY Scrambling Transition in a Radiative Random Unitary Circuit Emitter
10:00-10:20	YUSUF KARLI-UNIVERSITY OF INNSBRUCK Experimental Demonstration of Red-detuned Excitation of a Quantum Emitter
10:20-11:10	ÇAY ARASI / COFFEE BREAK
Başkan/Chair	ÖZGE BAĞLAYAN
11:10-11:30	ALI PEDRAM-KOÇ UNIVERSITY Using quantum states of light to probe the retinal network
11:30-11:50	MOHSEN IZADYARI-KOÇ UNIVERSITY Enantiomer detection via Quantum Otto cycle
11:50-12:10	ASGHAR ULLAH-KOÇ UNIVERSITY Low-temperature quantum thermometry boosted by coherence generation
12:10-14:00	ÖĞLE YEMEĞİ/ LUNCH
Başkan/Chair	ÖZGÜR MÜSTECAPLIOĞLU ENDÜSTRİ OTURUMU/ INDUSTRIAL SESSION
14:00-14:20	ÖZGÜR MÜSTECAPLIOĞLU-KOÇ UNIVERSITY Security and Software Perspectives in Quantum Digital Transformation
14:20-14:50	ALI BOZBEY-TOBB UNIVERSITY OF ECONOMICS AND TECHNOLOGY Superconducting Electronics for Qubit Control and Read-out
14:50-15:50	ÇAY ARASI / COFFEE BREAK
15:50-16:10	ŞEBNEM GÜNEŞ SÖYLER-KOÇDIGITAL Quantum Computing Industry Applications
16:10-16:30	HALİDUN FİLDİŞ-ASELSAN TBA