

KOBİT | 3 } Kuantum Optiđi ve Biliřimi Toplantısı
Ankara Üniversitesi, 50. Yıl Salonu (Eczacılık Fak.)
31 Ocak 2019, Perşembe / 31 January 2019, Thursday

08:15-09:00		KAYIT / REGISTRATION	
09:00-09:15			Açılıř / Opening
Başkan/Chair		Z. Gedik (Sabancı)	
09:15-10:00	A1	Adan Cabello (Sevilla)	Quantum nonlocality and contextuality
10:00-10:35	Ç1	Ramiz Hamid (TÜBİTAK UME)	Frequency stabilized quantum oscillator and applications
10:35-11:15		<i>Çay Arası / Coffee Break</i>	
Başkan/Chair		Ö. E. Müstecaplıođlu (Koç)	
11:15-11:50	Ç2	Ali Mostafazadeh (Koç)	Dynamical reformulation of scattering theory, broadband invisibility, and new exactly solvable scattering potentials in two-dimensions
11:50-12:25	Ç3	Sergey Borisenok (AGÜ)	Controlled qubits for computation and sensing
12:25-14:00		<i>Öđle Yemeđi / Lunch</i>	
Başkan/Chair		N. Ghazanfari (MSGŞÜ)	
14:00-14:20	S1	Onur Pusuluk (İTÜ)	Quantum computation using classical conformational changes of biomolecules
14:20-14:40	S2	Kadir Durak (Özyeđin)	Optimization of an entangled photon source for quantum key distribution
14:40-15:00	S3	Aslı Tuncer (Koç)	Work and Heat Value of Bound Entanglement
15:00-15:20	S4	Morteza Vafadar (GTE)	Microwave-optic conversion for quantum information technologies via optomagnonics
15:20-16:00		<i>Çay Arası / Coffee Break</i>	
Başkan/Chair		G. B. Bađcı (Mersin)	
16:00-16:35	Ç4	Ricardo Ancheyta (Koç)	Dynamical Casimir effect in stochastic systems: photon-harvesting through noise
16:35-16:55	S5	Ođuzhan Yücel (ODTÜ)	Quantum Optics with Single-Photon Nanoantenna
16:55-17:15	S6	S. Seyyare Aksu (MSGŞÜ)	Yapay manyetik alan altında farklı yüklü bozonik üstün akıřkanlar karıřımı
17:15-17:35	S7	Mojde Fadaie (Koç)	Quantum heat engine with topological phase transition
18:30		Konferans Yemeđi (Conference Dinner)	

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1 Şubat 2019, Cuma/ 1 February 2019, Friday

Başkan/Chair		A. U. Yılmaz (Ankara)	
09:00-10:00	A2	Fedor Jelezko (Ulm)	Diamond quantum sensors
10:00-10:40	A3	Adan Cabello (Sevilla)	What do we learn about the world from the problem of quantum correlations?
10:40-11:20		<i>Çay Arası / Coffee Break</i>	
Başkan/Chair		S. Ateş (İYTE)	
11:20-11:55	Ç5	H. Gül Yađlıođlu (Ankara)	Ultrafast dynamics: pump probe spectroscopy technique in broad range of materials
11:55-12:15	S8	Elif Yunt (Koç)	Topological phase transition in quantum heat engine cycles
12:15-14:00		<i>Öđle Yemeđi / Lunch</i>	
Başkan/Chair		A.L. Subaşı (İTÜ)	
14:00-14:35	Ç6	M. Cengiz Onbaşı (Koç)	Integrated spintronic-diamond nitrogen vacancy hybrid quantum systems at room temperature
14:35-14:55	S9	Gökhan Torun (İTÜ)	Optimal distillation of quantum coherence with reduced waste of resources
14:55-15:15		Serkan Üçer (TÜBİTAK)	Kuantum Amiral Gemisi
15:15-15:35	S10	Zeki Seskir (ODTÜ)	Quantum technologies: current conditions around the globe and in Turkey
15:35-16:15		<i>Çay Arası / Coffee Break</i>	
Başkan/Chair		A. Bek (ODTÜ)	
16:15-16:50	Ç7	Burak Şahinođlu (Caltech)	Asymptotic error correction in nature
16:50-17:25	Ç8	Mustafa Gündođan (Cambridge)	Transform-limited single photons from a tin-vacancy spin in diamond
17:25-17:45		Kapanıř (Closing)	