

## 28th Annual IASBS Meeting on Condensed Matter Physics

May 25-26 2023 (4-5 Khordad 1402)

Wednesday 3 Khordad (May 24, Recommended Arrival)

18:00-20:00	Registration in New Campus
20:00-22:00	Dinner
22:00	Bus to Hotels and Guest Houses

Thursday 4 Khordad, (May 25) Morning Session

Time	Lecturer	Title	Chairperson
8:30-9:00	Meeting Opening		
9:00-9:45	<b>Mohammad Reza Ejtehadi</b> Sharif University of Technology	محاسبه‌ی سد پتانسیل عبور مولکولهای کوچک از داخل غشا	
9:45-10:30	<b>Saeed Soyouf Jahromi</b> IASBS	<b>Quantum-Inspired Tensor Networks for Machine Learning</b>	
10:30-11:00	Break		
11:00-11:45	<b>Hossein Fazli</b> IASBS	<b>Intrinsically disordered proteins; MD, LD and mean-field approximation</b>	
11:45-12:30	<b>Nima Taghavinia</b> Sharif University of Technology	<b>Nanoparticle films as hole transporting layer in perovskite solar cells</b>	
12:30-14:00	Lunch		

Thursday 4 Khordad, (May 25) Afternoon Session

Time	Lecturer	Title	Chairperson
14:00-14:45	<b>Safura Rashid Shomali</b> IPM	<b>Revealing hidden neuronal microcircuits from correlations among spiking neurons</b>	
14:45-15:15	<b>Mehdi Ranjbar</b> Isfahan University of Technology	<b>Experimental investigation on nanoparticles for localized surface plasmon resonance sensing</b>	
15:15-15:45	<b>Break</b>		
15:45-16:30	<b>Hamidreza Khalilian</b> IPM	<b>Polymer translocation in an environment of active rods</b>	
16:30-17:15	<b>Ali Hosseiny</b> Shahid Beheshti	تابع توزیع ثروت، مدل‌های فیزیکی و اقتصادی	
17:15-18:00		<b>Contributed Talks by Students</b>	
18:00-20:00	<b>Break, Poster Session</b>		
20:00-22:00	<b>Dinner</b>		

Friday 5 Khordad, (May 26) Morning Session

Time	Lecturer	Title	Chairperson
9:00-9:45	<b>Hosein Cheraghchi</b> Damghan University	<b>Floquet Engineering of Topological Insulators</b>	
9:45-10:30	<b>Maryam Ghorbani</b> Ferdowsi University of Mashhad	<b>Frequency-dependent network mechanisms of multi-regional temporal interactions during sleep spindles</b>	
10:30-11:00	<b>Break</b>		
11:00-11:45	<b>Mahdi Mashkoori</b> K. N. Toosi University of Technology	<b>The fate of non-magnetic defects in topological superconductors</b>	
11:45-12:30	<b>Parviz Elahi</b> Boğaziçi University	<b>Intrinsic feedback optical tweezers, where the laser and soft-matter physics meet</b>	
12:30-13:00	<b>Closing</b>		
13:00-14:30	<b>Lunch</b>		