

Workshop on New Advances in Quantum Information Science and Technology
Institute for Research in Fundamental Sciences (IPM)
School of Nano Science

Jan. 4, 2017		
Time	Speaker	Title
9:00-10:00 Registration		
10:00-11:00	Klaus Mølmer	The Ichthyosaur in the Laboratory
11:00-11:30 Break		
11:30-12:30	Abolfazl Bayat	Solid State Quantum Simulators
12:30-14:00 Lunch		
14:00-15:00	Alireza Shabani	Near-Term Applications of Quantum Computers
15:00-15:30	Marzieh Asoudeh	Quantum Secret Sharing without Entanglement
15:30-16:00 Break		
16:00-16:30	Zahra Shaterzadeh	Coupled Dangling Bonds on a Silicon Surface as Building Blocks for Planar Nanostructures and Nanoelectronics
16:30-17:00	Azam Mani	Cohering and Decohering Power of Quantum Channels

Jan. 5, 2017		
9:00-10:00	Vahid Karimipour	Time Independent Quantum Circuits
10:00-11:00	Klaus Mølmer	Exciting Physics with Highly Excited Atoms
11:00-11:30 Break		
11:30-12:30	Rosario Fazio (skype presentation)	Quantum Heat Engines
12:30-14:00 Lunch		
14:00-15:00	Ali Rezakhani	New Trends in Quantum Thermodynamics
15:00-15:30 Break		
15:30-16:00	Amir Tavala	Quantum Optics Experiments for Probing Live Visual Systems
16:00-17:00	Abdollah Langari	Symmetry Protected Topological Phases