

**Name: Ron Lifshitz**  
**Professor of Physics**  
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Professor Lifshitz earned his B.Sc. in Physics and Computer Science at The Hebrew University in 1990, and his Ph.D. in Physics at Cornell University in 1995 under the mentorship of Prof. David Mermin. Following postdoctoral work at The California Institute of Technology, he joined the faculty at Tel Aviv University in 1999, where he is a member ever since. He has worked in the field of quasicrystals throughout his career, starting with generalizations of the basic theory of symmetry to aperiodic crystals, and continuing with the development of theories of color and magnetic symmetry for periodic and aperiodic crystals. He has been a major participant in the scientific discussion on "What is a crystal?", and more recently his studies in this field have concentrated on the fundamental reason for self-organization of soft matter into quasicrystalline form. Lifshitz has worked on nanomechanical systems since the late 1990s, studying diverse questions such as heat transport and dissipation mechanisms in the mesoscopic regime, nonlinear dynamics of coupled resonators, as well as their dynamics in the quantum regime. He has chaired a number of conferences, among them a conference in celebration of the 25th anniversary of the discovery of quasicrystals, held in Tel Aviv in 2007, and the 56th Meeting of the Israel Physical Society in 2010. He is the recipient of the 2002 Olschwang Prize in Physics of the Israel Science Foundation, and of the 2013 Jean-Marie Dubois Award in Quasicrystals, as well as a number of Teaching Prizes awarded by the Rector of Tel Aviv University.