Prof. Dan Oron earned his B.Sc. in mathematics and physics from the Hebrew university in 1994 and his M.Sc. in physics from Ben-Gurion University in 1998. In 2005 he received his Ph.D. in physics from the Weizmann Institute of Science, working on coherent nonlinear microscopy. After conducting postgraduate research at the Hebrew university, he joined the Weizmann Institute physics faculty in 2007, and currently serves as the head of the department of physics of complex systems.

His research focuses on the optical properties of multicomponent semiconductor nanocrystals, and their band-gap engineering so as to achieve desired properties. These include luminescence upconversion, enhanced nonlinear scattering, enhanced charge separation for photovoltaic applications and long-lived optical gain. His group also works on the development of advanced optical excitation and bioimaging methods with applications in optogenetics, optical phase retrieval and ultrashort pulse characterization.