## **Graduate Students**

Yosef Segman, Analysis of deformed patterns: theoretical and computational aspects, Ph.D 1990 Lydia Peres, Vortex interaction in nonlinear field theories, M.Sc. 1992 Naomi Blatt, Recognition of patterns deformed by transformations isomorphic to Aff(n), M.Sc. 1993 Ran Hilai, Recognition of invariantly compressed images, M.Sc. 1993 Zamir Abraham, Classification of compressed images in invariant transform space, M.Sc. 1994 Moshe Elbaz, Signal and image representation by Fourier phase, M.Sc. 1995 Yifat Padan Weinberg, Mathematical analysis of Fourier phase, M.Sc. 1996 Lydia Peres, Willmore surfaces: Applications and numerical computations, Ph.D. 1998 Shahar Mendelson, Mathematical aspects of learning in neural networks, Ph.D 1998 Avraham Levi, Theoretical and computational aspects of the Karhunen Loeve transform, Ph.D. 1999 Yun-Hui Kim, Topologically driven patterns in liquid crystals, Ph.D 2006 Chung-min Lee, On phase reconstruction, Ph.D. 2007 Jayoung Nam, Some mathematical problems in optometry, Ph.D 2007 Qingfeng Ma, Analysis and numerics for superconductors with applied current, Ph.D. 2007 William Holmes, 3D model of the cochlea with numerical simulations and asymptotics, Ph.D. 2010 Junghwa Kim, A superconducting wire subjected to applied voltage, Ph.D 2010 Lazaro Rene Izquierdo Fabregas, Propagation of dental caries, PhD 2014 Tomer Bar-on, Bladder cancer: Data analysis and mathematical model, M.Sc. 2015 Katya Shalenkov, M.Sc. in progress