

Ennio Mingolla received an A.B. from Harvard College in Philosophy and a Ph.D. from the University of Connecticut in Experimental Psychology. His dissertation research introduced computer graphics to the psychophysical study of shape from shading. He is Chair of the Department of Communication Sciences and Disorders at Northeastern University. He is a co-holder of one of the first patents granted for a neural network architecture for vision and image processing. Dr. Mingolla's work has crossed several disciplines, including visual psychophysics, neuroscience, and computational vision. His theoretical publications have described models of boundary detection and completion, textural segmentation, shape-from-shading, motion perception, feature binding and persistence, brightness perception, visual search, and visually-guided steering from optic flow, and also applications of some of these models to computer vision or image processing. He has conducted related human psychophysical work, including studies of motion perception, illusory contours, perceptual optics, optic flow, and texture segmentation. Dr. Mingolla received the 2007 Helmholtz Award of the International Neural Network Society for his research in visual perception.