

**Capstone Address**  
**To Understand Visualization, It Helps to Understand Vision**

**Stuart Anstis**  
Department of Psychology  
University of California at San Diego

When computers produce visual images, a human is sitting in front of the screen. For maximum effectiveness, the images need to be matched to the characteristics of the visual system. Examples will be drawn from the author's research on vision, including recovering 3-D shape from shading; adapting for several days to a negative world in which blacks were white and whites were black; adaptation to color and shape, and illusory colors produced by flicker, timing, and simultaneous contrast

**Biographical Sketch**

Stuart Anstis took his undergraduate and Ph.D. degrees at the University of Cambridge with Richard Gregory as his research supervisor. He taught at Bristol University until 1976, when he moved to York University, Toronto. Since 1991, Stuart Anstis has been affiliated with the University of California at San Diego. He has published about 90 papers in visual perception, including motion perception, visual aftereffects and illusions, and the Pulfrich's Pendulum, and devised a new test for normal and defective color vision in infants.

