

*"Image Perception in Ophthalmology: Practices, Challenges, and Computational Approaches".*

*Dr. Helen Li* specializes in ocular oncology and vitreoretinal diseases. She founded the Community Retina Group in Houston after almost 20 years of clinical practice at the University of Texas Medical Branch, where she received numerous teaching awards from residents and fellows. Dr. Li served as director of the UTMB retina service and founded the retina fellowship program. She regularly publishes her research in leading ophthalmology journals and presents on retinal diseases and ocular tumors at national and international scientific conferences. She is an active member of the Macular Society, Retina Society, the International Society of Ocular Oncology, the American Uveitis Society, the Association of Research in Vision, and the American Telemedicine Association. Dr. Li has served as principal investigator of National Eye Institute, industry and foundation sponsored research and clinical trials. Her research projects include the ocular complications of AIDS trial and the diabetic retinopathy clinical research network study. She is currently interested in validating biomarkers for prognosis of melanoma in the eye and evaluating novel therapeutics for various types of ocular cancer.

*Dr. Baoxin Li* is currently a professor and the chair of the Computer Science & Engineering Program and a Graduate Faculty Endorsed to Chair in the Electrical Engineering and Computer Engineering programs. From 2000 to 2004, he was a Senior Researcher with SHARP Laboratories of America, where he was the technical lead in developing SHARP's HiIMPACT Sports™ technologies. He was also an Adjunct Professor with the Portland State University from 2003 to 2004. His general research interests are on visual computing and machine learning, especially their application in the context of human-centered computing. He won twice SHARP Labs' President's Awards, in 2001 and 2004 respectively. He also won SHARP Labs' Inventor of the Year Award in 2002. He is a recipient of the National Science Foundation's CAREER Award. He holds 16 issued US Patents. His work has been featured on NY Times, EE Times, MSNBC, Discovery News, ABC News, Gizmodo India, and many other media sources. His research interests are in computer vision and pattern recognition, image/video processing, statistical methods in visual computing.