

About Eric Silver

Eric Silver has dedicated his career to experimental high energy astrophysics. He spent 21 years as a Senior Astrophysicist at the Harvard-Smithsonian Center for Astrophysics (CfA) where he directed an interdisciplinary program of X-ray spectroscopy, polarimetry and low temperature physics for 1) the study of cosmic x-ray and gamma ray sources such as black holes, supernova remnants and clusters of galaxies; 2) fundamental physics investigations of highly charged ions produced in heavy ion accelerators and laboratory plasmas; and 3) industrial and medical applications where high resolution x-ray spectroscopic imaging is important to materials and chemical analysis. The latter included studies of silicon wafers for the semiconductor industry, interstellar dust and cometary particles returned to Earth from NASA probes, examining artifacts and fine art for conservation science, and even mapping anti-cancer drugs at the cellular level.

He received his B.S. degree in Physics from M.I.T. and Ph.D. in Astrophysics from Columbia University, has served on many NASA, NIH, DoE and NSF review panels, authored / co-authored 130+ publications on spectroscopy and x-ray imaging and is the co-editor of a book on spectroscopy. Eric was a recipient of a NIH Challenge Grant and the George E. Burch Fellowship for new medical applications and has 16 patents to his credit.