



Dr. Joel Greenberg is an Associate Research Professor in the Department of Electrical and Computer Engineering and a member of the faculty of Medical Physics at Duke University. While Dr. Greenberg has worked in a range of areas, including cold atom physics and nonlinear optics, his current research is focused on computational sensing across the electromagnetic spectrum (from ELF to X-rays) and its application to areas such as medicine and security. He developed coded aperture X-ray diffraction tomography and has pioneered its application to soft tissue analysis and explosives detection. Dr. Greenberg received his B.S.E. in mechanical engineering from Princeton University and his PhD in physics from Duke University.