James Fienup

Robert E. Hopkins Professor of Optics, Professor of Electrical and Computer Engineering, and Professor in the Center for Visual Science at University of Rochester

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Fienup is a leading expert in the use of phase retrieval algorithms to carefully align mirrors on NASA satellites once they are in orbit.

Biography

James R. Fienup is the Robert E. Hopkins Professor of Optics at the Institute of Optics. His research area is imaging science, including phase retrieval, unconventional imaging, image reconstruction, wavefront sensing, imaging with sparse and segmented-aperture systems, and synthetic-aperture and pupil-plane active imaging systems.

Areas of Expertise

Optics, Webb Telescope, Imaging with Sparse and Segmented-Aperture Systems, Image Reconstruction, Phase Retrieval, Imaging Science, Unconventional Imaging, Wavefront Sensing, Synthetic-Aperture and Pupil-Plane Active Imaging Systems, James Webb Space Telescope

Education

Stanford University
PhD Applied Physics

Stanford University
MS Applied Physics

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