

1. Record Nr.	UNINA9910704351003321
Autore	Hutton John
Titolo	Homeland security : DHS requires more disciplined investment management to help meet mission needs : testimony before the Subcommittee on Oversight, Investigations, and Management, Committee on Homeland Security, House of Representatives / / statement of John Hutton
Pubbl/distr/stampa	Washington, D.C. : , : United States Government Accountability Office, , 2012
Descrizione fisica	1 online resource (6 pages)
Collana	Testimony ; ; GAO-12-1029T
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed Jan. 17, 2013). "For release ... September 21, 2012."
Nota di bibliografia	Includes bibliographical references.

2. Record Nr.	UNINA9911021969203321
Autore	Hamed Abdallah
Titolo	Holographic Imaging Using Aperture Modulation / / by Abdallah Hamed
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	9783031969898 9783031969881
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (171 pages)
Collana	SpringerBriefs in Applied Sciences and Technology, , 2191-5318
Disciplina	535
Soggetti	Optics Mathematical physics Fourier analysis Cancer - Imaging Physics Optics and Photonics Mathematical Physics Fourier Analysis Cancer Imaging Applied and Technical Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Fourier Transform and Convolution Operations in Optical Diffraction -- Basics of Holography -- Fourier Holographic Imaging Using Argon Plasma Images -- Fourier Holographic Images Using Hamming Apertures -- Scanning Holography Using Linear Apertures -- Scanning Holography Using Quadratic Apertures -- Processing of Cancerous Mammographic Images Using Improved Fourier Holograms -- Fourier Holographic Imaging of Modulated Apertures -- Thick Holographic Multiplexed Filter -- Pattern Recognition and Processing of Information -- Operator Algebra in Complex Coherent Optical Systems.
Sommario/riassunto	This book highlights the formation of holographic images using modulated apertures across eleven comprehensive chapters. It begins with a summary of basic Fourier transformations used to compute diffraction patterns of well-known objects. The fundamentals of

holography are outlined, followed by an investigation of Fourier holographic images obtained using argon plasma. This book also explores Fourier holographic images using modulated Hamming apertures and discusses the use of scanning holography with linear and quadratic apertures. Advanced topics include the processing and segmentation of cancerous mammographic images using improved Fourier holograms, and the detailed study of Fourier holographic imaging of modulated apertures. The recognition of colored objects and the computation of the point spread function (PSF) using operator algebra in Gaussian beam illumination are also covered. This book concludes with a discussion on pattern recognition and information processing. This book serves as an essential resource for researchers and students interested in the advanced techniques and applications of holographic imaging.
