

Conference Committee

Introduction

Experimental study of wavelength selections on color holography	p. 2
Making of a holographic movie on film: from holographic animation to holographic movie	p. 10
Experimental holographic movie IV: the projection-type display system using a retro-directive screen	p. 20
Continuous and shutterless hologram movie	p. 27
Some characteristics of a single-layer color hologram	p. 33
Conical holographic stereogram: distortion compensation	p. 41
Development of a prototype full-parallax holoprinter	p. 50
Stereograms, video, and photomontaging	p. 57
Window effect of a 3D deep hologram as a base of 3D imaging by means of a selectogram (reference-free selectogram)	p. 65
Porous-matrix holography for nonspatial filtering of lasers	p. 76
Polarization influence on the signal-to-noise ratio in bleached silver halide diffused-object holograms	p. 86
Holography cameras for art and education	p. 96
Writing diffractive structures by optical trapping	p. 101
Computer-generated holograms using medium-resolution photographic film	p. 112
Synthesis of moving holographic stereograms with high-resolution spatial light modulators	p. 124
Measurement of behind-armor debris using cylindrical holograms	p. 132
Demonstration of single mode fiber holographic interconnect with reconfigurable photothermoplastic holograms	p. 147
Liquid-crystal-display-based implementation of a real-time ICVision holographic stereogram display	p. 154
Basic research for a large electro-holographic display	p. 165
Hardware architecture for rapid generation of electro-holographic fringe patterns	p. 172
Approach to computer-generated holographic stereogram by electro-holography	p. 184
Three-dimensional video system using grating image	p. 191
Information reduction in the 3D object Fourier hologram	p. 199
Minimum-pixel holograms	p. 208
Direct volume access by an improved electro-holography image generator	p. 220
Integral holography	p. 226
OMEGA: novel optical sensor 3D measuring system for complex geometry in adverse environments	p. 235
Holographic elements for LCD projectors	p. 248
New spectroscopic instrument based on volume holographic optical elements	p. 260
Ordering the order: a survey of optical document security features	p. 268
Three-dimensional displacement measurement by a holographic interferometric microscope	p. 276
Expansion of the image size and viewing zone in holographic display using liquid crystal devices	p. 283

Residual stress measurements with laser speckle correlation interferometry and local heat treating	p. 290
Neural network for optimization of binary hologram with printing model	p. 304
Error-diffused quantization in cell-oriented holograms	p. 318
Experimental study of entropy for holographic optical elements	p. 331
Application of holographic interferometry to evaluate dynamic and material characteristics in a bonded compliant structure	p. 338
New method of real-time holographic high-density storage of color images by monochromatic laser	p. 346
Formation of three-dimensional images when using selectograms and diffraction gratings	p. 357
Noncoherent polarization method for obtaining holograms	p. 364
Image processing of particle-field hologram	p. 369
Real-time photothermoplastic 8-inch camera with an emphasis on the visualization of 3D digital data by holographic means	p. 374
Holographic stars in Du Pont's photopolymers	p. 386
New approach to elimination of the perturbing effect of long-range electromagnetic fields in electron holography	p. 393
Addendum	p. 402
Author Index	p. 403
Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.	