



Editorial

Jack D. Gaskill, Editor

Martha, We're Wishing You a Speedy Recovery

As some of you already know, Martha Stockton, the Associate Editor of *Optical Engineering*, is quite ill. For several months now she has been undergoing radiation and chemotherapy treatments, which have slowed her down just a bit in the performance of her editorial duties and have restricted her many other activities. She recently asked me if I could find someone to help her out with some of the routine aspects of the job, and I am in the process of locating an individual to do so.

In the meantime, I trust that all authors who have submitted manuscripts will be understanding and patient if

the publication process takes longer than usual. Also, I think Martha would really appreciate receiving cards and letters from well-wishers as she continues the struggle to recover from this unfortunate affliction. Cards may be sent to her at 10451 E. Plumeria Rd., Tucson, AZ 85749.

The May 1989 special issue of *Optical Engineering*, organized by Guest Editor Bahram Javidi, was devoted to the topic of optical information processing systems. Fifteen papers were accepted for publication, but only 12 were completed in time to make the printing deadline; the remaining three appear in the current issue. In the first of these, Javidi and Horner describe a multifunction nonlinear joint power spectrum based optical processor that can perform various types of operations, such as image deconvolution and correlation, by varying the severity of the nonlinearity. In the second paper, Kranzdorf, Bigner, Zhang, and Johnson present a connectionist polarization-based optical associative memory. In the third paper, Fielding, Rogers, Kabrisky, and Mills describe a position, scale, and rotation invariant holographic associative memory.

OPTICAL ENGINEERING EDITORIAL SCHEDULE

August 1989

Contributed papers on optical engineering

September 1989

Contributed papers on optical engineering

October 1989

Laser-Induced Material Modification

Paul J. Kelly
National Research Council Canada
Division of Physics
Bldg. M23A, Room 43
Ottawa K1A 0R1, Ontario, Canada
613/993-0347

November 1989

Medical Imaging

Roger Schneider
Institute for Regulatory Science
6319 Massachusetts Ave.
Bethesda, MD 20816
301/229-0403

December 1989

Contributed papers on optical engineering

January 1990

Laser Radar

Richard J. Becherer
Science Applications International Corp.
1040 Waltham St.
Lexington, MA 02173-8027
617/863-5173

February 1990

Contributed papers on optical engineering

March 1990

Photonic Switching & Interconnects

Abdellatif Marrakchi
Bell Communications Research
331 Newman Springs Road
Room NVC 3X-115
Red Bank, NJ 07701-7020
201/758-3318

April 1990

Contributed papers on optical engineering

May 1990

Image Restoration and Reconstruction

M. Ibrahim Sezan Eastman Kodak Co. Imaging Science Lab. Bldg. 65, First Floor Rochester, NY 14650-1816 716/477-8356	A. Murat Tekalp Univ. of Rochester Electrical Engineering Dept. Rochester, NY 14627 716/275-3774
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June 1990

Contributed papers on optical engineering

July 1990

Electro-Optical Displays

Dr. Mohammad A. Karim
University of Dayton
Dept. of Electrical Engineering
Center for Electro-Optics
300 College Park
Dayton, OH 45469-0001
513/229-3611

August 1990

Contributed papers on optical engineering

September 1990

Optical Pattern Recognition

B. V. K. Vijaya Kumar
Carnegie Mellon University
Dept. of Electrical and Computer Engineering
Pittsburgh, PA 15213-3890
412/268-3026

October 1990

Contributed papers on optical engineering

November 1990

Performance Evaluation of Signal and Image Processing Systems

Firooz Sadjadi and Hatem Nasr
Honeywell Systems & Research Center
3600 Technology Drive
MN 55-2300
Minneapolis, MN 55418
612/782-7543