The Logical Place to Publish

The Society has had a journal since 1962. Initially it was just called the *SPIE Journal* and we published bimonthly from 1962 until 1970. In 1970, the journal changed its name to *Optical Engineering* and continued to publish bimonthly until 1986 when it became a monthly journal.

In developing a recent poster about our journal for the San Diego meeting held in July, the editor and staff of *Optical Engineering* considered the message we would like to convey to our current and prospective authors. The essence of that message, and the goal we aspire to as a journal, is conveyed in these words:

Timely and authoritative . . .
The logical place to publish.

Our message to authors goes on to include statements covering the journal's purpose and submission policy:

"*Optical Engineering* publishes original papers reporting on the research and development of new optical technology or the practical application of known optical technology in new and inventive ways.

"*Optical Engineering* welcomes submission of proceedings papers, provided those papers have been revised to meet journal standards and are submitted in a format necessary for consideration by the editor and reviewers."

The editor and staff of *Optical Engineering* recognize your concerns and expectations as authors and therefore make the following pledges:

- *Reach the right audience.*

Each monthly issue reaches more than 12,000 professionals in optical science and engineering and nearly 1000 institutions and libraries worldwide.

- *Timely publication.*

Your papers are peer-reviewed in about three months and are normally published within three to six months of acceptance.

- *High technical and editorial standards.*

Papers are published only after they are recommended by at least two referees and meet our standards for technical originality and clarity of presentation.

- *Widely indexed and cited.*

Optical Engineering is indexed by Current Contents, INSPEC, Engineering Information, Chemical Abstracts, and other citation databases.

- *Your needs as an author are given professional attention.*

Your papers receive the technical and editorial care they deserve and are presented in print accurately and clearly.

As your editor, and with the cooperation of authors and reviewers, we expect to meet these goals for our journal.

Brian J. Thompson
Editor

November 1991

Infrared Imaging Systems

Mohammad A. Karim
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January 1992

Smart Materials and Structures

Richard O. Claus
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State University
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March 1992

Optics in Poland

Romuald Jozwicki
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Institute of Design of Precision and Optical
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02-525 Warsaw, Poland

April 1992

Optical Methods and Means of Information Processing

Mikhail M. Miroshnikov
S.I. Vavilov State Optical Institute
199034, Birjevaya Liniya 12
Leningrad, USSR

May 1992

Optical Implementation of Information Processing, Pattern Recognition, and Neural Networks

Bahram Javidi
University of Connecticut
Department of Electrical and
Systems Engineering
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Storrs, CT 06269-3157
203/486-2867
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This special issue will cover: optical information processing, including linear and nonlinear operations and transforms; pattern recognition, correlation, filters, distortion invariant object identification; applications of holography in information processing; feature extraction and classification; associative processors and neural networks; and applications of spatial light modulators in 1-D and 2-D information processing.

June 1992

Adaptive Signal Processing

Simon Haykin
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Communications Research Laboratory
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416/525-9140

This special issue will cover the following areas: historical perspective of adaptive signal processing, fast algorithms for adaptive filtering, blind deconvolution, chaotic models, wavelet transforms, and neural networks. The emphasis will be on theory and applications.

August 1992

Optical Engineering and U.K. Industry

Lionel R. Baker
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R. J. Parker
Rolls Royce plc
P.O. Box 31
Derby DE2 8BJ, United Kingdom

This special issue will represent a typical cross section of current applied research taking place in the United Kingdom in the field of optics. We invite those who would like to submit manuscripts to notify L. R. Baker of the title and principal author as soon as possible. Those papers that receive provisional acceptance will begin the refereeing process in early September 1991.

We regard this as an excellent opportunity to promote the best in U.K. optics research worldwide and sincerely hope you will be among those able to offer a title for consideration by our Papers Committee

October 1992

Acousto-Optics

Ting-Chung Poon
Virginia Polytechnic Institute and State University
Bradley Department of Electrical Engineering
Optical Image Processing Laboratory
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This special issue will focus on all aspects of research on acousto-optic effects and devices as well as their signal and image processing applications. Manuscripts should be sent to Ting-Chung Poon before February 1, 1992.

December 1992

Automatic Target Recognition

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The areas to be considered for inclusion are sonar, radar, laser and passive IR, visible ATR techniques, modeling of sensors, target segmentation, detection, and tracking, model-based target recognition,

multisensor processing and sensor fusion for ATR, role of performance evaluation in ATR, invariant object recognition, neural networks for ATR, adaptive and learning systems for ATR, and optical processing for ATR.

Authors are invited to submit manuscripts on any of the above topics. Manuscripts should be sent to Firooz Sadjadi before April 1, 1992.

January 1993

Optical Research in Asia

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This special issue will present innovative research and development results from Asian countries. Every field of photonics will be considered. Prospective authors are invited to submit manuscripts for consideration. Manuscripts should be received by Chung J. Kuo, Toshimitsu Asakura, or Yong H. Lee before February 1, 1992.

March 1993

Optical Fiber Reliability II

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July 1993

Visual Communication and Image Processing IV

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