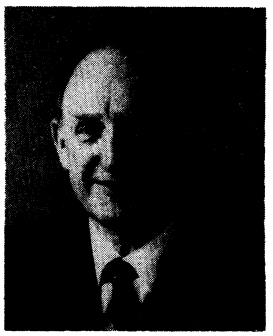

The Rudolph Kingslake Medal and Prize was awarded at SPIE's annual San Diego meeting in July at the Wednesday evening banquet. This award is for the best paper published in *Optical Engineering* during 1990. All papers published in Volume 29 of the journal were eligible for consideration by the awards committee.

In this editorial we who work on the journal would like to congratulate the winners Paul R. Prucnal and Philippe A. Perrier for their outstanding paper, "Self-routing photonic switching with optically processed control." This paper appeared in the March issue on pages 170–182. Paul and Philippe are with the Lightwave Communications Research Laboratory at Princeton University.

The selection committee this year was chaired by Bruce Steiner, and its members were James Burke, Freeman Hall, and Satoshi Ishihara. They stated the reason for this choice was that "this paper is a comprehensive and self-contained description of a new way to route signals optically rather than electronically. We anticipate that it will have a far-ranging impact. It is, moreover, beautifully written."

This is the kind of paper that we all try to write, one that is "beautifully written" and also has a "far-ranging impact."

Paul R. Prucnal and Philippe A. Perrier now have their names added to the distinguished list of previous winners.

Let me close with my own personal congratulations to the winners for a really great paper. Having received this award jointly with David Kay in 1977, I know what a thrill it is to receive this honor. We will all look forward to Prucnal and Perrier's future papers.

Brian J. Thompson
Editor

Rudolf Kingslake Medal and Prize
Past Recipients

1974 Irving R. Abel and B. R. Reynolds
1975 J. M. Burch and C. Forno
1976 Richard E. Swing
1977 David B. Kay and Brian J. Thompson
1978 Norman J. Brown
1979 J. R. Fienup
1980 G. Ferrano and G. Hausler
1981 Robert A. Sprague and William D. Turner
1982 David M. Pepper
1983 James R. Palmer
1984 Gene R. Gindi and Arthur F. Gmitro
1985 Armand R. Tanguay, Jr.
1986 Arthur D. Fisher, Lai-Chang Ling, John N. Lee, and Robert C. Fukuda
1987 Chris P. Kirk
1988 Ares J. Rosakis, Alan T. Zehnder, and Ramaratnam Narasimhan
1989 Pochi Yeh, Arthur Chiou, John Hong, Paul H. Beckwith, Tallis Chang, Monte Khoshnevisan

Optical Engineering Editorial Schedule

November 1991

Infrared Imaging Systems

Mohammad A. Karim
University of Dayton
Center for Electro-Optics
Dept. of Electrical Engineering
300 College Park Ave.
Dayton, OH 45469-0226
513/229-3611

January 1992

Smart Materials and Structures

Richard O. Claus
Virginia Polytechnic Institute and State University
Dept. of Electrical Engineering
Fiber and Electro-Optics Research Center
648 Whittemore Hall
Blacksburg, VA 24061
703/231-4580

March 1992

Optics in Poland

Romuald Jozwicki
Warsaw Institute of Technology
Institute of Design of Precision and Optical Instruments
ul. Chodkiewicza 8
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
Room 312, U-157
260 Glenbrook Road
Storrs, CT 06269-3157
203/486-2867
203/486-0318 FAX

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
McMaster University
Communications Research Laboratory
1280 Main Street West
Hamilton, Ontario L8S 4K1 Canada
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
Sira Ltd.
South Hill, Chislehurst
Kent BR7 5EH, United Kingdom
+44 81 467 2636
+44 81 467 6515 FAX

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.

December 1992

Automatic Target Recognition

Firooz Sadjadi
Systems and Research Center
Honeywell Inc.
3660 Technology Drive
Minneapolis, MN 55418
612/782-7543
612/782-7438 FAX

The areas to be considered for inclusion are sonar, radar, laser and passive IR, visible AOR techniques, modeling of sensors, target segmentation, detection, and tracking, model-based target recognition, multisensor processing and sensor fusion for AOR, role of performance evaluation in AOR, invariant object recognition, neural networks for AOR, adaptive and learning systems for AOR, and optical processing for AOR.

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

Chung J. Kuo
National Chung Cheng University
Department of Electrical Engineering
Chiayi, Taiwan 62107
886-5-226-3410, ext. 6210
886-5-226-3435 FAX

Toshimitsu Asakura
Hokkaido University
Research Institute of Applied Electricity
Sapporo, 060 Japan
81-11-716-2111
81-11-758-3173 FAX

Yong H. Lee
Korea Advanced Institute of Science and Technology
Department of Physics
Yusung-Ku, Taejon, Korea
82-42-829-2536
82-42-861-1458 FAX

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

Hakan H. Yuce
Bellcore
445 South Street
Morristown, NJ 07962
201/829-4945
201/267-9753 FAX