# Editorial



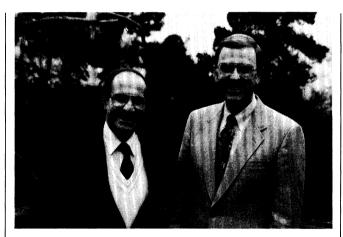
# Welcome to Volume 33

As we launch the new year of 1994, we look forward to another important year for your journal *Optical Engineering*, which will continue to report on "research and development in optical science and engineering." On behalf of the entire editorial staff in Rochester and Bellingham, I bring you greetings for the new year.

# Goodbye, Joe; Hello, Jim!

We start the new year with a new executive director in place and already running at full speed. We all look forward to working with Jim Pearson to further the mission of SPIE-The International Society for Optical Engineering. From this editorial page may we say "welcome aboard." Dr. James E. Pearson is already well known to many of us because he has been, and is, a major contributor to our field of optical science and engineering. His B.S. and M.S. degrees in electrical engineering and his Ph.D. in electrical engineering and physics, all from the California Institute of Technology, provided an excellent background for a successful career as scientist, leader, administrator, business manager, and organization builder. His experiences at Los Alamos National Laboratory, Hughes Research Laboratories, and United Technologies speak for themselves. His most recent positions as president and general manager of United Technologies Optical Systems (UTOS) from 1986-93, and as chief scientist/director of Core Competency at United Technologies Research Center from 1991-93 provided the capstone to his on-the-job experience while he has been "in-training" for the executive director's position. I am sure that Jim is glad that his lengthy apprenticeship is over! Now to the real work!

Jim takes over a Society that has been very successfully managed by Joe Yaver and his team. Joe retires from the



Joe Yaver (left), retiring SPIE executive director, and Jim Pearson (right), the new executive director.

position of executive director with a tremendous record of dedicated service. The growth and status of the Society have been unprecedented. It has been my personal privilege to have been associated with the Society through the whole of Joe's tenure and to have worked with him on many projects both in official capacities as director, president, and editor, but perhaps more importantly as a member. Joe had the great gift of vision for the Society and its programs and the ability to work with staff and members alike to move the Society forward to mutually determined goals. Joseph Yaver, we owe you an enormous debt of gratitude for which a simple "thank you" is not sufficient—but maybe its simplicity makes it the most meaningful tribute. Thank you.

> Brian J. Thompson Editor

### February 1994

#### Magnetospheric Imagery and Atmospheric Remote Sensing, Part 2 Supriya Chakrabarti Boston University Center for Space Physics 725 Commonwealth Avenue Boston, MA 02215 E-mail: supc@bu-ast.bu.edu 617/353-5990 • 617/353-6463 FAX

### March 1994

Infrared Technology, Part 2 Marija S. Scholl Alenka Associates P.O. Box 27408 Tempe, AZ 85285-7408 E-mail: msscholl@aol.com 602/491-7814

### May 1994

# Semiconductor Infrared Detectors

Antoni Rogalski Military Technical Academy Institute of Technical Physics Kaliskiego St. 25 01-489 Warsaw 49, Poland 48 22 36 91 09 • 48 22 36 22 54 FAX

## Optical Interconnects and Packaging Sing Lee

University of California/San Diego E&CE Department La Jolla, CA 92093-0407 619/534-2413 • 619/534-1225 FAX

# June 1994

### **Optical Science & Engineering in India**

Rajpal S. Sirohi Indian Institute of Technology Applied Optics Laboratory Physics Department Madras-600 036, India 044-2351365 ext. 221 • 044-2350509 FAX

## **Optical Pattern Recognition**

Joseph L. Horner Rome Laboratory EROP Hanscom AFB, MA 01731-5000 617/377-3841 • 617/377-5041 FAX

Bahram Javidi University of Connecticut School of Engineering Department of Electrical and Systems Engineering Room 312, U-157 260 Glenbrook Road Storrs, CT 06269-3157 203/486-4816 • 203/486-3789 FAX

### July 1994

Adaptive Wavelet Transforms Harold H. Szu U.S. Navy Naval Surface Warfare Center Code R44 10901 New Hampshire Avenue Silver Springs, MD 20903-5000 301/394-3097 • 301/394-3923 FAX

### August 1994

#### Digital Image Recovery and Synthesis Paul S. Idell Rockwell International

Rockwein international Rocketdyne Division MS SS46 P.O. Box 7922 Canoga Park, CA 91309-7922 818/586-8238 • 818/586-5295 FAX E-mail: pidell@windance.rdyne.rockwell.com

### September 1994

Optics in South Africa Hannes Markusse ELOPTRO Institute of Atomic Physics P.O. Box 869 Kempton Park 1620, South Africa Maurice W. McDowell CSIR/Production Technology Div. Productiontek P.O. Box 395 Pretoria 0001, South Africa 27 12 841 3418 • 27 12 841 2131 FAX

# October 1994

# **Optics in Russia**

V. Ya. Panchenko
Scientific Research Center for Technological Lasers
Russia Academy of Sciences
B-333, Gubkina, 3
117971 Moscow, Russia
E-mail: ilc@compnet.npimsu.msk.su
(095)135-54-30 • (095)334-02-01 FAX
Manuscripts due March 1, 1994.

# November 1994

### **Micro-Optics**

Chandrasekhar Roychoudhuri University of Connecticut at Storrs Photonics Research Center MS-157, Room 312 260 Glenbrook Road Storrs, CT 06269-3157 203/486-4816 • 203/486-3789 FAX Manuscripts due April 1, 1994.

### December 1994

Optics in Ireland John Hegarty C. D. Hussey University of Dublin Trinity College Department of Pure and Applied Physics Dublin 2, Ireland +353-1-7022019 • +353-1-711759 FAX Manuscripts due May 1, 1994.

### January 1995

X-Ray/EUV Optics Richard B. Hoover NASA Marshall Space Flight Center ES52 Space Science Center Huntsville, AL 35812-0001 E-mail: hoover@ssl.msfc.nasa.gov 205/544-7617 • 205/544-5856 FAX Manuscripts due June 1, 1994.

### February 1995

High Heat Flux Optical Engineering Ali M. Khounsary Argonne National Laboratory Advanced Photon Source, APS 362 Argonne, IL 60439 708/252-3384 • 708/252-3222 FAX *Manuscripts due July 1, 1994*.

### March 1995

**Optical Engineering in Ophthalmology** Suganda Jutamulia Kowa Company, Ltd. Silicon Valley Office 100 Homeland Court, Suite 302 San Jose, CA 95112 408/441-9300 • 408/441-0537 FAX

Toshimitsu Asakura Hokkaido University Research Institute for Electronic Science Sapporo, 060 Japan 81-11-716-2111 • 81-11-758-3173 FAX Manuscripts due Aug. 1, 1994.

### April 1995

### **Optics in the Ukraine**

Oleg V. Angelsky Chernovtsy University Department of Correlation Optics 2 Kosyubinsky Street 274012 Chernovtsy Ukraine (03722) 44730 • (03722) 41314 FAX Manuscripts due Aug. 15, 1994

### July 1995

### **Optics in Switzerland**

P. K. Rastogi Swiss Federal Institute of Technology-Lausanne Laboratory of Stress Analysis CH-1015 Lausanne Switzerland E-mail: rastogi@elgc.epfl.ch (021) 693 24 45 • (021) 693 47 48 FAX Manuscripts due Nov. 15, 1994

# September 1995

Optical Science & Engineering in Finland Seppo Honkanen Nokia Research Center P.O. Box 156 SF-02101 Espoo Finland +358 0 437 61 • +358 0 455 2557 FAX Manuscripts due Jan. 15, 1995

### November 1995

Optical Remote Sensing and Image Processing Mohammad A. Karim Bradley D. Duncan University of Dayton Center for Electro-Optics 300 College Park Dayton, OH 45469-0227 513/229-2241 • 513/229-3177 513/229-2471 FAX

Manuscripts due April 1, 1995