

Announcement

It is my pleasure to announce the joint IEEE and OSA publication of the first issue of the *Journal of Lightwave Technology*. This new journal is dedicated to the rapidly expanding field of guided-wave technology and hopes to serve the technical community by being a strong, definitive journal for guided-wave publication. This joint venture by the IEEE and OSA represents their beliefs that the vigorous growth of both research and development, and applications of guided-wave technology will continue and that a consolidation in the number of journals presently serving guided-wave technologists is desired. Several surveys by both organizations have concluded that the majority of guided-wave technologists desire a single journal devoted to serve their needs. Unprecedented support of this concept has evolved with financial commitments to the journal being made by the Optical Society of America and nine IEEE societies (Aerospace and Electronic Systems, Circuits and Systems, Communications, Computer, Electron Devices, Instrumentation and Measurement, Microwave Theory and Techniques, Quantum Electronics and Applications, and Sonics and Ultrasonics).

As the principal forum for publication in optical guided-wave technologies, it is intended that both research and development, and application topics will be covered in the subject matter presented in this journal. Topics of interest include the following:

- 1) fiber and cable technologies (waveguide phenomena, strength, fabrication techniques, materials, characterization installation technology, reliability testing and prediction, cable design and testing, coupling, and splicing);
- 2) componentry—active and passive (light sources, detectors, repeater technologies, component and subsystem characterization, modulation and multiplexing formats, test equipment, switches, filters, modulators, multiplexers/demultiplexers, etc.);
- 3) integrated optics and optoelectronics (planar waveguide theory, fabrication and evaluation, switches/modulators, circuits, and applications; and
- 4) systems, subsystems and new applications (commercial and military, data transmission, optical communication networks—data buses, computer, integrated services, etc.—unique field trials which demonstrate technological advances, and other uses such as fiber-optical sensors and signal processors).

As of this first issue, the journal is planned to be published quarterly throughout 1983. In 1984, bimonthly publication is anticipated. Because of the strong response to the journal to date and agreements between OSA and IEEE, this schedule of publication may be accelerated. It is a great pleasure to serve as editor during the start-up phase of a new journal and it is my desire to publish a responsive high quality technical journal. I and my associate editors look forward to interacting with our many colleagues in the guided-wave technology area to make the journal a success and to foster continued growth in this area.

THOMAS G. GIALLORENZI
Editor