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Publisher :

Technical University of Wrocław (Politechnika Wrocławska) 50-370 Wrocław, Wybrzeże Wyspiańskiego 27, Poland.

In addition to longer original papers brief reports will be published of the authors' own research work. The report should be set out according to the above guide lines.

The Editorial Board invites the readers to send over any remarks or observations referring to the publications which will appear in the *Optica Applicata*. The correspondence of essential importance will be published in a separate column dealing with letters to the Editor.

Review of matter

Application of the diffraction theory, quantum optics, problems in radiation coherence, light sources, holography, and its application, scientific photography methods of image reconstruction, optical application of Fourier transforms, theory of optical systems, criteria of optical image evaluation, optical materials, technology of manufacturing optical elements, aspheric optics, optical properties of solids photo- and radiometry, problems in spectroscopy, non-linear optics, optical data processing, optical measurements, fibre optics, optical instrumentation, interferometry, microscopy, non-visible optics, automation of optical computing, optoelectronics, colorimetry, optical detectors, ellipsometry and photoelasticity.

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Fourth Rochester Conference on Coherence and Quantum Optics

Sponsored by U.S. Air Force Office of Scientific Research and by the University of Rochester

June 8-10, 1977

First announcement

Arrangements are being made to hold the fourth international conference in the series at the University of Rochester during the period June 8-10, 1977. The aim of this Conference, as of the previous ones, is to bring together the active research workers in the general area of coherence and quantum optics. The emphasis will again be on problems of basic physics involving the interaction of electromagnetic fields, particularly those in which coherence effects play a role. Some topics to be covered include: lasers and photon statistics, optical tests of QED, coherence in atomic interactions, optical coherence effects in random media, statistics of light scattering, radiative energy transfer, cooperative effects and superradiance, resonance fluorescence and resonant pulse propagation.

The members of the organizing committee for the Conference are:

N. Bloembergen	(Harvard University)
J. H. Eberly	(University of Rochester)
P. Franken	(University of Arizona)
E. L. Hahn	(University of California, Berkeley)
H. Haken	(University of Stuttgart)
M. Lax	(City College of C.U.N.Y.)
A. Schawlow	(Stanford University)
C. R. Stroud, Jr.	(University of Rochester)
L. Mandel	} Joint Secretaries (University of Rochester)
E. Wolf	

Attendance

As in previous years, attendance is expected to be limited largely to those working in the field. Anyone interested in attending the Conference is asked to complete the enclosed form and to return it as soon as possible to Secretaries, Fourth Rochester Conference on

Coherence and Quantum Optics

Department of Physics and Astronomy

University of Rochester

Rochester, New York 14627

U.S.A.

Submission of the form does not constitute a formal commitment to participate in the Conference, but those who return the form will receive further information and Registration /Accommodation forms from the University of Rochester Conference Office sometime in March or April 1977.

In 1977 another conference, the International Conference on Multiphoton Processes, is to be held during June 6-9 at the University of Rochester. It will immediately precede the Fourth Rochester Conference on Coherence and Quantum Optics, and run partly in parallel with it. Because of overlapping interests in the topics of the two conferences, plans are being made to enable participants to attend both conferences during the week of June 6-10, and to register for both simultaneously at a reduced rate.

Presentation of Papers

Most sessions will begin with the presentation of invited papers, followed by contributed papers.

Those wishing to present papers are asked to submit two (2) copies of an extended abstract of 500 to 1000 words to the Secretaries of the Conference **on or before March 12, 1977**. The abstracts will form the basis for the selection of papers, and they will be reproduced for distribution to all the participants. The abstracts should be in English and clearly legible. Final versions of each paper, suitable for publication in the Proceedings of the Conference, must be in the hands of the Secretaries by the first day of the Conference.

Accommodation

It is planned to provide accommodation and meals for all participants in student residence halls on campus, although those who prefer to make their own arrangements for hotel accommodation are of course free to do so. The information to be mailed out in March/April 1977 will include a list of local hotels/motels and a form for reserving Campus accommodation and meals.