

CONFERENCE "PULSED LASERS ON ATOMIC AND MOLECULAR TRANSITIONS"

In the beginning of September, 1992 there will be held in Tomsk the Conference "Pulsed Lasers on Atomic and Molecular Transitions" under the auspices of the Institute of Atmospheric Optics, Siberian Branch of the Academy of Sciences of Russia, Institute of High-Current Electronics, Siberian Branch of the Academy of Sciences of Russia, Siberian Physicotechnical Scientific-Research Institute, and Tomsk State University. The topics planned for discussions at the conference are:

1. Physical processes in gas lasers

Mechanisms of populating the energy levels of atoms and molecules; methods of obtaining inverse populations; physical phenomena in plasma during the generation of laser emission; and, new active media.

2. Dye lasers

Photophysical and photochemical processes in lasing media. Relations of the spectroluminescence and lasing properties of molecules to specific features of intra- and intermolecular interactions; and development of high power long-life dye lasers.

3. Nontraditional applications of lasers

Abstracts of papers together with the information about authors (names and affiliation) should be sent to the Organizing Committee before March 1, 1992. Abstracts should not exceed 1 or 2 typewritten pages.

No publication of the conference proceedings is planned. At the same time, the papers selected by the organizing Committee will be published in special issues of the journals *Izv. Vyssh. Uchbn. Zaved. Fizika* and *Atmospheric Optics*.

Participation of persons and representatives of organizations aimed at advertising their products (services) as well as business contacts with the participants of the conference is possible. In this case the Organizing Committee will present, for a moderate fee, facilities for presentation of printed materials and devices. The list of persons and organizations participating in the commercial program of the conference will be included into the program of the conference.

Additional information on the date and registration fee will be sent to participants in May 1992. Therefore, exact address and telephone numbers should be sent to the Organizing Committee together with abstracts. All information on the conference is available from the Organizing Committee.

Tomsk 634055 1, Akademicheskii av.

Dr. G.S. Evtushenko, Scientific Secretary of the Organizing Committee.

For telegrams Tomsk-55 Optika, Sinitza, Evtushenko

Telephones (8-382-2) 25-99-89 (G.S. Evtushenko)

Section 1 – V.F. Tarasenko, (8-382) 25-86-85

Section 2 – G.V. Mayer, (8-382) 23-34-26

Section 3 – A.N. Soldatov, (8-382) 23-30-22