



**International Conference on  
Holography, Optical Recording  
and Processing of Information**

# **Holography 2005**

**Abstracts**



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## ***More about CLOSPI-BAS***

The Central Laboratory of Optical Storage and Processing of Information to the Bulgarian Academy of Sciences (CLOSPI-BAS) is the only specialized research laboratory in



the field of holography, parallel optical recording and information processing in Bulgaria. The staff of the Laboratory comprises forty-six specialists in physics, chemistry, electronics and measurement techniques as well as nine Ph.D. students. The Laboratory has original technologies for production of light-sensitive materials for volume reflection holograms and holographic optical elements; techniques and instrumentation for polarimetric measurement and polarization recording, for interferometric and refractometric investigations, for recording and digital processing of two-dimensional images and coherent optical systems for parallel information processing.

The CLOSPI-BAS has four main divisions:

-  Optico-Electronic Processing of Information
-  Holographic and Opto-Electronic Investigations
-  Optical Recording of Information
-  Materials for Optical Recording

CLOSPI has an impressive record of disseminating its results, usually in prestigious journals and proceedings, 3 monographies and 100 author's certificates and patents. In recent years there is a growth in the number of published materials. CLOSPI has extensive contacts in the scientific community, which help to reinforce its international reputation for excellence in research. It has undertaken collaborative work with colleagues from Belgium, Canada, Denmark, France, Germany, Greece, Italy, Japan, Mexico, Romania, Russia, Taiwan, Turkey, UK, USA and other countries.



*Dear Colleague,*

*On behalf of the Organizing Committee, we cordially welcome you at the Holography'05 which is held in the beautiful Black Sea resort "Sts. Constantine and Helena" near Varna, "ulgazia, at the International Congress Center "Frederick Joliot-Curie". Apart from its main aim, which is to provide an appropriate environment for exchange of ideas and experience between scientists and to present the latest R&D, the Holography'05 has four important objectives:*

- to restore regular meetings in "ulgazia between the specialists on holography, interferometry and photosensitive materials from all over the world;*
- to strengthen and consolidate research activities on holography and coherent optics in the "alkan region;*
- to disseminate holographic knowledge in order to support education and cultural heritage protection;*
- to train young specialists and to point out new challenges in holographic science.*

*" Besides the scientific program, presented by distinguished lecturers, we shall do our best to make your stay in "ulgazia unforgettable.*



*Ventseslav Sainov*

*Chairman of the Organizing Committee*

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