

SPIE-The International Society for Optical Engineering Ukrainian Chapter

International Conference

Optical Holography and its Applications

24-29 May 2004, Kiev, Ukraine

Conference Chair: Vladimir Markov, MetroLaser Inc. USA

Co-Chairs: James Trolinger, MetroLaser Inc. USA and Sergey Kostyukevych, Institute of Semiconductor Physics of National Academy of Sciences of Ukraine, Kiev, Ukraine

The Conference is organized by the Ukrainian Chapter of SPIE and OSA, Institute of Semiconductor Physics, Institute of Applied Optics and Institute of Physics of the National Academy of Sciences of Ukraine (Kiev) under an auspice of the Ministry of Education and Science of Ukraine and National Academy of Science of Ukraine. The conference is supported by SPIE/UKRAINE Chapter. The present conference is the sixth meeting on this topic organized in Kiev. Previous meetings were held in Kiev in 1989 (The International UNESCO Seminar "Three-Dimensional Holography: Science, Culture, Education), 1997, 1999, 2000 and 2003 (International conference Optical Holography and its Applications), and their reports were published in SPIE Proceedings (volume 1238 and 3486) and Journal of Semiconductor Physics, Quantum Electronics and Optoelectronics.

Optical holography is emerging from research laboratories to find wider and more effective applications in different areas of human activity, including engineering, cultural, medical and other applications. This conference will focus on recent advances of holography especially in such areas as, holographic NDT and its practical applications, real-time holography and non-linear recording materials for that.

The topics of particular interest include:

- **Fundamental properties of 3-D holography: theory and experiments**
- **Holographic recording materials**
- **Holographic NDT: Methods, Systems, and their practical applications in engineering, material study, cultural artifact restoration**
- **Non-linear and coherent effects in holography (multi-beam interaction, beam coupling and combining, coherent scattering, image processing, etc.)**
- **Holographic data storage**
- **Optical security elements**

GENERAL INFORMATION

Location: The Conference will be held in the capital of Ukraine - in Kiev, which is an important center of scientific research and higher education in Ukraine. More than ten museums, many art galleries and theaters testify Kiev's flourishing cultural life. With its historical buildings, and churches Kiev represents an exciting place to visit.

Language: The official language of the Conference is English.

Registration and Accommodation: The Registration Fees for participants and accompanying persons are US \$ 250 and US \$ 50, respectively. It can be paid in time of registration. The Fee includes: -participation in all scientific sessions at the Conference; - all printed materials of the Conference, including the receiving the Proceedings (after their publishing); - lunches during the Conference; -coffee-breaks at sessions; -transport and accommodation services; main excursion program.

The participants of conference should be aware that stay in a hotel is not included in Registration Fees. Hotel reservation will be made according to the participant's arrival and departure dates.

The Organizing Committee will provide transportation of the participants from the Kiev airport "Borispol" or the Kiev Central railway station.

Attendees should make their own travel arrangement to/from Ukraine.

Facilities: Session rooms will be equipped with a slide and overhead projectors. Fax, E-mail and Copy machines will be available. A participant can receive messages at: Fax: +380 (44) 2655430; E-mail: sekret@spie.org.ua.

Visas: In general, both a valid passport and Ukrainian visa are required for entry into Ukraine, however, citizens of the countries having a special agreement with Ukraine don't need visas. A visa may be obtained at Ukrainian Embassy or Consulate.

Social Programs: Excursions to historical, cultural sites of Kiev and sightseeing are planned.

Organizing Committee can also help to arrange an individual scientific or tourist program for participants around Ukraine. The participants are welcome to inform in advance Organizing Committee about their travel plans.

SUBMISSION OF ABSTRACTS

Your abstract should include the following:

1. ABSTRACT TITLE
 2. AUTHOR LISTING (principal author first), Full names and affiliations.
 3. CORRESPONDENCE FOR EACH AUTHOR Mailing address, phone, fax, e-mail address.
 4. SUBMIT TO:
(Conference Topic) (choose one):
 5. PRESENTATION Indicate your preference for <Oral Presentation> or <Poster Presentation.>
 6. ABSTRACT TEXT 500 words.
 7. BRIEF BIOGRAPHY (principal author only) 50 to 100 words.
- ABSTRACT DUE DATE: **February 05, 2004.**

To be considered for acceptance, you may either send abstract via electronic mail to: holoapl@spie.org.ua, or mail four copies to Organizing Committee at address: SPIE/UKRAINE, 41, off. 219, prospect Nauki, Kiev, 03028. UKRAINE.

CONDITIONS OF ACCEPTANCE

Authors are expected to secure travel and accommodation funding, independent of SPIE, through their sponsoring organizations before submitting abstracts. Applicants will be notified of acceptance by **March 05, 2004.**

For further information please contact:

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Ukrainian Chapter of SPIE (SPIE - The International Society for Optical Engineering) is officially recognized organization from 1993 (certified by the Ministry of Justice of Ukraine on the 25th April, 1994) and founded on the basis of SPIE Ukrainian National Committee. The establishment of the SPIE Ukrainian National Committee was authorized by the Board of Directors of SPIE on the 7th of April, 1992, in accordance with the SPIE bylaws.

Activity of SPIE/Ukraine Chapter is directed towards increased efficiency of the information exchange between scientists and specialists of Ukraine and world community in the field of development and application of optic, optoelectronic, electrooptic and laser techniques and technology and specialist exchange.

SPIE/Ukraine Chapter promoted creation of Student Chapters of SPIE in such universities as Chernivtsy State University, Taras Shevchenko National University of Kiev, Vinitsa State Technical University, Kiev National Technical University, V.I. Vernadsky Taurida National University, Simferopol, Crimea, Ukraine.