

SPIE – The International Society for Optical Engineering
Ukrainian and Russian Chapter

First Announcement/Call for Papers

The Seventh International Conference “Correlation Optics”

The Seventh International Conference on Correlation Optics will be held in
Chernivtsi, Ukraine on September 6-9, 2005

The purpose of the conference is to provide a discussion of novel approaches and advances connected with optical correlation techniques for measurements of random optical fields, and object diagnostics in diverse applications. Optical correlation techniques (including regular and polarization interferometry, interference/diffraction microscopy, specklometry, holographic correlometry, fractal optics, and measurement of optical chaos and optical singularities) constitute promising and quickly developed area of optical information technology. Such techniques serve for solving diverse applied problems ranging from industrial quality control to modern telecommunications and life sciences. There are no any conferences at present focused just at the optical correlation approaches (theoretical, computing and experimental). That is why this conference will be the unique possibility to highlight novel concepts and developments related to the optical correlation data processing and to discuss recent progress in applications of them. This conference continues the chain of international conferences on Correlation Optics (1993, 1995, 1997, 1999, 2001, and 2003 SPIE Proc. Vols. 2108, 2647, 3317, 3904, 4607, and 5547, respectively) in Chernivtsi.

Topics to be covered:

- Informative content of statistical optical fields, including optical chaos and singular optics
- Optical correlation devices based on diffractive optical elements, including optical and digital holography, fractal optics, optical sensors
- Optical correlation diagnostics, interferometry and microscopy of rough surfaces and random media
- Optical techniques, systems and elements of telecommunications
- New applications of correlation optics in biology and medicine

Conference Chair: Prof Oleg V. Angelsky, Chernivtsi National University, UKRAINE

International Programme Committee:

| | | |
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| T.Tschudi (Germany) | T.Tudor (Romania) | A.Friberg (Fineland) |
| H.Arsenault (Canada) | Takashi Okamoto (Japan) | S.A.Kostyukevych (Ukraine) |

Organizing Committee Chairs:

Dr R. Besaha, Ukraine - Chair, Dr E. Akopov, Russia – Vice-Chair,
Dr S. Kostyukevych, Ukraine – Vice-Chair

The materials of the Conference will be published in SPIE Proceedings.

General Information

The official language of the Conference is English.

All sessions are held at the Conference Hall of the Hotel "Cheremosch". The Conference Hall will be equipped with slide and overhead projectors.

The registration desk will be open during 9.00 a.m. – 6.00 p.m. from September 5 to September 8, 2005 in the lobby near entrance of the Hotel "Cheremosch". Pre-registration fee (before August 10, 2005) is US\$250, and late registration fee is US\$280; registration fee for accompanying persons is US\$120. Registration fees include: participation in all scientific sessions at the Conference; all printed materials of the Conference including the SPIE Proc. Volume (after its publishing); meals, conference dinner, coffee-breaks at sessions, and the main excursion programme. The participants of the Conference should be aware that a hotel accomodation is not included into registration fees. Hotel reservation will be made according to participant's arrival and departure plans. A list of preliminary prices for proposed hotels is given below.

| Name of Hotel | Type of Room | Price per night, US\$ |
|---------------|--------------|-----------------------|
| Cheremosch | Single | 75 |
| | Double | 90 |
| Bukovina | Single | 40 |
| | Double | 55 |
| Tourist | Single | 40 |
| | Double | 55 |

The Organizing Committee can arrange cheaper but not sufficiency comfortable dwelling. Student rooms are available, price per night: US\$15.

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

SUBMISSION OF ABSTRACTS

Your abstract *should* include the following:

1. Abstract title
2. Author list, full names and affiliations
3. Correspondence for the principal author – mailing address, phone, fax, e-mail
4. Submit to: _____
(choose one): (Conference topic)
 - Informative content of statistical optical fields, including optical chaos and singular optics (optical vortices)
 - Optical correlation devices based on diffractive optical elements, including optical and digital holography, fractal optics, optical sensors
 - Optical correlation diagnostics, interferometry and microscopy of rough surfaces and random media
 - New applications of correlation optics in biology and medicine
5. Presentation – Indicate your preference for "Oral presentation" or "Poster presentation"
6. Abstract text – up to 500 words
7. Brief biography (principal author only) – up to 100 words

ABSTRACT DUE DATE: **March 1, 2005**

Send abstract via e-mail to: corropt05@itf.cv.ukrtel.net, or mail four copies to Organizing Committee at address: Prof Oleg V. Angelsky, Chernivtsi University, 2 Kotsyubinsky str., Chernivtsi 58012, UKRAINE

Authors are expected to secure travel and accomodation funding, independent of SPIE, through their sponsoring organizations before submitting abstracts.

DUE DATES:

First announcement/call for papers: **November 15, 2004**

Abstract deadline: **March 1, 2005**

Programme issued: **June 1, 2005**

Manuscript due date: **September 6, 2005**

Final announcement/call: **April 15, 2005**

Papers accepted: **May 10, 2005**

Preregistration deadline: **August 10, 2005**

Proceedings issued: **4 to 5 months after**

For further information please contact:

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