

9–12 October 2012  
in Ashtarak, Armenia

# Laser Physics 2012

International Conference

1st call

2012

Organized by the  
Institute for Physical Research  
of NAS Armenia



Sponsored by the  
State Committee of Science  
of Armenia



Dear colleagues!

With great pleasure we invite you to attend the annual

## **Laser Physics 2012**

International Conference

organized by the Institute for Physical Research (IPR) of NAS Armenia

9–12 October, 2012

in Ashtarak, Armenia.

As usual, the conference program will cover all aspects of laser physics with focus on new and exciting developments and results in physics of coherent light sources, nonlinear and quantum optics, matter waves, laser spectroscopy of atoms and condensed matter, laser instrumentation, crystal growth and thin film preparation of inorganic materials for quantum electronics and integral optics, optical properties of nanostructures and luminescent materials, as well as related fields.

### TOPICS

- Materials for quantum electronics: creation, properties and applications
- Generation and conversion of laser radiation
- Resonance interaction of laser radiation with matter
- Laser instrumentation and applications
- Laser spectroscopy
- Quantum optics and matter waves
- Quantum information
- Optical properties of nanostructures and scintillating materials

## DETAILS

Abstracts accepted by the Program Committee will be presented during oral or poster sessions. Duration of each oral presentation together with follow-up questions is 30 minutes. The poster dimensions are 80 x 120 cm (portrait).

The Conference will commence on Tuesday, October 9, and end on Friday, October 12.

The official languages of oral presentations are English (preferable), Russian and Armenian. Posters should be in English only.

Please note that no Proceedings will be published this year.

## REGISTRATION

Each author is requested to register and to submit an abstract by filling out the registration form (download [here](#)) and emailing it to the Secretary.

The acceptance of the abstract for presentation is dependent upon the novelty of the work and the clarity of the message it conveys, as well as its relevance to laser physics.

The safe receipt of abstracts will be confirmed by the Conference Secretary by e-mail. The acceptance of an abstract for presentation will be acknowledged as soon as the decision by the Program Committee is made.

The registration deadline is **25 September 2012**.

## PROGRAM COMMITTEE

- Aram **Papoyan** (IPR) — Chairman
- Rafael **Drampyan** (IPR)
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## CONFERENCE SECRETARY

- Vahagn **Petrosyan** (IPR)

## GENERAL INFORMATION

### REGISTRATION FEE

No registration fee is required of the participants. Unfortunately, the Organizing Committee will not be able to provide financial support for participants from abroad. Nevertheless, we truly hope you will be able to find a way to attend the Conference.

### TRAVEL

Armenia's geographical location is very convenient for communication with all of the countries in Europe, Middle East, Asia and the CIS. Many international airlines land in Yerevan. You can take flights from Amsterdam, Athens, Frankfurt, Kiev, London, Moscow, Munich, Paris, Prague, Tehran, Vienna, and others, as well as numerous connecting flights through those cities. The international airport Zvartnots is situated 7.2 km southwest of the capital Yerevan.

### VISA

You are strongly advised to contact the nearest Armenian Consulate or Embassy to inquire about visa regulations for your country. You should make your visa application well in advance. If needed, the Organizing Committee will be happy to send official letters of invitation to all participants. If there is no Armenian Consulate or Embassy in your country, please contact the Russian Embassy for all arrangements. As an alternative, the Armenian Ministry of Foreign Affairs invites you to apply for a visa online at <http://evisa.mfa.am>. It is also possible to arrive in Yerevan without a visa and buy one at the airport (not for all countries, please contact the Organizing Committee for applicability).

Please inform the Organizing Committee of your flight number, date and time of arrival by e-mail not later than 7 working days before the arrival, so that we can welcome you at the Yerevan Zvartnots airport carrying an "LP-2012" sign.

### WEATHER

Autumn is the best season in Armenia. In October the weather is usually great, but can be variable; the average temperature is 18<sup>o</sup>–20<sup>o</sup>C.

### HOTEL ACCOMMODATION

Single and double rooms will be available in hotels of various categories, all located in downtown Yerevan:

- **Yerevan Golden Tulip** Hotel 5\* [www.goldentuliphotelyerevan.com](http://www.goldentuliphotelyerevan.com)
- **Ani Plaza** Hotel 4\* [www.anihotel.com](http://www.anihotel.com)
- **Metropol** Hotel 4\* [www.metropol.am](http://www.metropol.am)
- **Congress** Hotel 3\* [www.congresshotelyerevan.com](http://www.congresshotelyerevan.com)
- **Aviatrans** Hotel 3\* [www.aviatrans.am](http://www.aviatrans.am)
- **Europe** Hotel 3\* [www.europehotel.am](http://www.europehotel.am)
- **Shirak** Hotel 3\* [www.shirakhotel.com](http://www.shirakhotel.com)
- **Envoy** Hostel [www.envoyhostel.com](http://www.envoyhostel.com)
- **YSU Guest House** (for ordering a room here, please contact the Org. Committee).

## CONFERENCE VENUE

The conference will be held at the Institute for Physical Research in **Ashtarak**, Armenia. Ashtarak is a small town situated twenty-six kilometers northwest of Yerevan, at the foot of Aragats mountain and is known for its historical sites, especially for its ancient churches. One of the charms of Ashtarak is the glorious view of the mount Ararat which you can enjoy right from the windows of the conference hall.



7<sup>th</sup> century church in Ashtarak

All guests will be transported from their Yerevan hotels to Ashtarak and back every day by the Conference bus. A sightseeing tour is planned for the 3<sup>rd</sup> day of the Conference.



Yerevan panorama

**Yerevan**, the capital city of Armenia, is nestled in the shadow of the snow-capped heights of the majestic mount Ararat, where the Biblical Noah's Ark first landed escaping the Great Flood. As you explore the many interesting sights in Yerevan, you will learn about the culture and history of one of the world's oldest nations. You can gain further insights into Armenian cultural achievements at museums, theaters and concert halls.

To visit **Armenia** is to travel back in history and feel the spirit of more than 30 centuries. Rich with historical churches, monasteries, monuments, and magnificent masonry, this country that was the first to adopt Christianity and proclaim it as its state religion in 301 AD is a unique treasure for those interested in great events. Should your interests lie in nature, the beautiful Armenian Plateau with hidden lakes, including the mysterious Lake Sevan, waterfalls, torrents, rivers, springs, valleys, highlands and rich forests, clearly evidence the miracles of nature. The topography of land and the man-made wonders of centuries old architecture, ruins, churches and monasteries bring to life the history of one of the world's most ancient nation and culture.



Lake Sevan

## CONTACTS

All correspondence concerning the Conference can be addressed to its Secretary:

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