

XIII Kharkiv Young Scientists Conference on Radiophysics, Electronics, Photonics and Biophysics

2 - 6 December, 2013



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Photo by Sergey Stepanenko



Important dates:

Extended deadline
for on-line registration
and abstract submission
21 October 2013

Paper acceptance notification
31 October 2013

Conference dates
2 - 6 December 2013

Venue: Usikov Institute of Radiophysics and Electronics of National Academy of Sciences of Ukraine (IRE NASU)

Organizers:

Scientific Council of IRE NASU
Young Scientists Council of IRE NASU

In collaboration with

IEEE AP/MTT/ED/AES/GRS/NPS/EMB Societies East Ukraine Joint Chapter
IEEE MTT-S, ED-S, AP-S, PHO-S, SSC-S, MAG-S
IRE Kharkiv Student Branch Chapters

OSA Kharkov Local Section
OSA/SPIE Joint Student Chapter of IRE NASU
IPMash OSA Student Chapter

Contacts:

IRE NAS of Ukraine
12 Ac. Proskury Str.
Kharkiv, 61085, Ukraine
<http://www.ysc.org.ua>

Chairmen

Pavel Vyplavin
Maxim Khruslov

Programme Chairmen

Mikhail Balaban
Pavel Krasov

Secretariat

Daryna Pesina
Oksana Balaban

The Conference covers a wide area of research in radiophysics and electronics that includes but is not limited to:

- **Microwave and THz electronics** (microwave generation and plasma interactions)
- **Active and passive radars, wave propagation and remote sensing**
- **Solid-state radiophysics** (nano- and metamaterials, solid-state plasma)
- **Computational and experimental electromagnetics** (antennas, mw-circuits)
- **Biophysics** (molecular, cell and organs complex systems)
- **Optics and photonics** (photonic crystals, lasers, nonlinear optics, optic devices and measurements)
- **Radioastronomy and astrophysics**

Conference sessions will include oral, poster presentations, webinars and invited review talks by leading scientists on conference topics.

We welcome contributions from graduate students, post-graduates and young scientists under 35 years old working in any of the above-mentioned or related fields. Working languages of the Conference are Ukrainian, Russian and English. Organizers strongly encourage participants to make presentations in English. Papers should be submitted by uploading a 1-page doc-file to the Conference website (<http://www.ysc.org.ua>). Authors are requested to use the template when preparing their submission.

Extended Submission Deadline - 21 October 2013

The **Best Young Scientist Presentation Competition** will be held during the Conference. Papers will be evaluated by the originality, novelty practical importance, degree of personal contribution and level of presentation.

Foreign participants: no visa to enter UA is required for citizens of FSU, EU, USA, UK and Japan. Visitors from the other countries have to contact the Ukrainian embassy for the information. The invitation letters will be sent upon request. Assistance with accommodation and transport will also be provided.

Financial support: limited travel grants will be provided.

<http://www.ysc.org.ua>

What is new in 2013?

1) This year a lot of Web activities are planned in collaboration with Scientific Social Community (www.science-community.org):

- Web-presentations by foreign peers during the Conference scientific sessions
- Career Development Workshop Webinar. By joining the Workshop you will get a chance to:
 - master your skills of making oral presentations/preparing manuscripts;
 - attend lectures on the Online learning (MOOC, Massive Open Online Courses): insights from peers who have tried it themselves;
 - get information on Ukrainian and International grants;
 - get to know about scientific societies like IEEE, OSA, SPIE and find out about benefits of becoming their member.

2) This year our participants get a chance to publish their papers in the "Telecommunication and Radioengineering Journal" which is presented in the SCOPUS base. There are only two requirements for this:

- let us know about it in your abstract (see the updated templates for example);
- prepare your oral presentation in ENGLISH.

!!! Up to five best presentations will be chosen for publishing.

3) We have a special competition for a fee discount: each Friday, starting from Sept 27, 2013 and until the extended deadline, the first participant who submit the abstract the closest to 17.00, will get a certificate with 50 UAH discount.



The tour by Kharkov with Max Rosenfeld

Traditionally, invited lecturers from all over the world will give plenary talks on the conference topics:

- Prof. Vladimir Stojanovic, Emanuel E. Landsman Associate Professor of Electrical Engineering and Computer Science, Massachusetts Institute of Technology, USA
- Prof. Igor Meglinski, Department of Physics, University of Otago, New Zealand
- Dr. Abhinav Verma, Karlsruhe Institute of Technology, Germany

Social program of the conference will include:

- welcome and farewell parties
- scientific quizzes during the conference with valuable prizes
- an exclusive tour by historic center with famous Kharkiv guide Max Rosenfeld (vk.com/kharkov.tours)
- popular scientific movie party with drinks and snacks

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<http://www.ysc.org.ua>