

XII Kharkiv Young Scientists Conference on

4 - 7 December, 2012

**RADIOPHYSICS, ELECTRONICS,
PHOTONICS AND BIOPHYSICS**



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Important dates:

Extended deadline for on-line registration and submission

14 October 2012

Paper acceptance notification

31 October 2012

Conference dates

4 - 7 December 2012

Contacts:

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IRE NAS of Ukraine

12 Ac. Proskury Str.

Kharkiv, 61085, Ukraine

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

Chairmen

Maxim Khruslov

Mikhail Balaban

Programme Chairmen

Dr. Pavel Vyplavin

Dr. Pavel Krasov

Secretariat

Evgeniya Minakova

Oksana Balaban

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

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)
- **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)
- **Radio Astronomy and Astrophysics** (radio emission, spectral lines, pulsars and relic radiation, radio telescopes, interferometers, etc.)

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

We welcome contribution from graduate student, 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. 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.

Social programs of the Conference will include:

- Visit of Institute of Radiophysics and Electronics museum
- City tour trip
- Visit to the one of the Kharkiv theater / jazz cofee

Tentative List of Invited Speakers of the Conference

Prof. A. FERRERO

Dip. Elettronica Politecnico di Torino, Torino, Italy

Prof. Yu. P. MACHEHIN

Kharkiv National University of Radioelectronics, Kharkiv, Ukraine

Prof. G. I. KHLOPOV

A.Ya. Usikov Institute of Radiophysics and Electronics of NASU, Kharkiv, Ukraine

Prof. A. A. BULGAKOV

A.Ya. Usikov Institute of Radiophysics and Electronics of NASU, Kharkiv, Ukraine

Prof. S. L. PROSVIRNIN

Institute of Radio Astronomy of NASU, Kharkiv, Ukraine

Prof. V. V. DOROVSKY

Institute of Radio Astronomy of NASU, Kharkiv, Ukraine

Prof. Yu. D. NECHIPURENKO

Engelhardt Institute of Molecular Biology of RAS, Moscow, Russia

In the framework of the conference will be organized VI Young Scientists Career Development Workshop (YSCDW) and on-line webinar dedicated to the on-line education and international exchange programs for the young scientists studying and training



Extended Submission Deadline - 14 October 2012

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>

Extended Submission Deadline - 14 October 2012

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