

28 November - 2 December, 2011



XI Kharkiv Young Scientists Conference on RADIOPHYSICS, ELECTRONICS, PHOTONICS AND BIOPHYSICS

Important dates

Deadline for on-line registration
and abstract submission

25 September 2011

Paper acceptance notification

31 October 2011

Conference dates

28 November - 2 December 2011

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

ORGANIZERS:

Scientific Council of IRE NASU

Young Scientific 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

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Chairs

Mikhail Balaban
Maxim Khruslov

Programme Chair

Dr. Alexey Kuleshov

Secretariat

Anna Kharchenko
Pavel Vyplavin

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)

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.

Submission Deadline - 25 September 2011

The **Competition for the Best Young Scientist Presentation** 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 participants from the 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 by request. Assistance with accommodation and transport will also be provided.

Financial support: limited travel grants will be provided.

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

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Social programs of the Conference will include:

- Visit of Institute of Radiophysics and Electronics museum
- City tour trip
- Visit to the A.S. Pushkin Kharkiv State Academic Theater of Russian Drama (<http://www.rusdrama.kh.ua>).



Invited Speakers of the Conference

Prof. IGOR ALEXEFF

The plasma antenna – now you see it, now you don't
Professor of Electrical Engineering, Emeritus University of Tennessee, Knoxville, USA

Prof. ALEXANDER LERER

Electromagnetic analysis of nanostructures in the millimeter and optical ranges
School of Physics, Department of Applied Electrodynamics and Computer Modeling, Rostov-on-Don, Russia

Prof. MIKHAIL GLYAVIN

THz gyrotrons: development and applications
Institute of Applied Physics of Russian Academy of Sciences, Nizhny Novgorod, Russia

Dr. ALEXEY SHITVOV

Phenomenology and experimental characterisation of distributed nonlinearities in printed circuit components for wireless communications
The Institute of Electronics, Communications and Information Theory (ECIT) Queen's University of Belfast, Belfast, U.K.

Dr. OKSANA SHRAMKOVA

Three-wave nonlinear scattering by finite layered structures
School of Electronics, Electrical Engineering & Computer Science, Queen's University Belfast, Belfast, U.K.



Submission Deadline - 25 September 2011

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