



FIRST ANNOUNCEMENT

XXII International Conference PHOTOELECTRONICS AND NIGHT VISION DEVICES

May 22-25, 2012, Moscow, Russia

GENERAL INFORMATION

The International Conference on Photoelectronics and Night Vision Devices will be held in Moscow, Russia, on 22-25 May 2012. This is the XXII Conference on this problem. Previous conferences were held in Moscow by Research and Development Institute of Applied Physics of the Ministry of Defense Industry of USSR, then by RD&P Center "ORION" as all-union Research and Technical Conferences on Semiconductor and Thermal Detectors. The Conference will bring together leading researchers from different countries dealing with research, development and production of Photoelectronic and Night Vision Devices.

TOPICS

Semiconductor infra-red (IR) sensors and focal plane arrays (physical researches of photoconductivity and its new materials; technologies, including electronic and ion-plasma ones, cooling systems and signal processing methods).

- Thermal IR sensors and focal plane arrays (physical researches, technologies, cooling systems and signal processing systems).
- Night Vision Devices based on thermal imagers and image intensifiers including multi-band and multi-spectral systems.
- Microelectronics for focal plane array and thermal imagers.
- New trends and recent development in IR photoelectronics and Night Vision Devices (including methods and tools for measuring the characteristics of photoelectronic devices).
- Nanophotonics, nanotechnology and metamaterials for IR systems.
- Photoelectronics and optics special software.

The Conference is organized by: State Scientific Center of Russian Federation "RD&P Center "ORION"

The Conference is supported by: Ministry of Industry and Trade of RF, Federal Agency of Science and Innovations, Russian Academy of Science, Moscow Government, D.S. Rozhdestvensky Optical Society.

Official languages of the Conference are Russian and English.

Head of the Program Committee and Conference Chairman: Prof. A.M. Filachev.

The conference program provides for oral and poster reports, which will be published in the Russian journal «Prikladnaja fizika».

SUBMISSION OF ABSTRACTS

Please, send one-page high-quality hardcopy version of the whole abstract with typing area 165x230 mm² and type font size 12 pt to: **A.I. Dirochka, RD&P Center "ORION", 46/2, Enthuziastov Sh., Moscow, 11123, Russia, <http://www.orion-ir.ru>.**

The paper title must be typed at the beginning of the page, then, lower, names and first names of authors, then the name of the organization, town and country. Please, indicated correspondence data, "Oral" or "Poster" presentation and brief biography of principal author (50 to 100 words).

The abstracts should be duplicated E-mail in WinWord format within the standard "article" or "book" document class.

The enterprises intended to take a part in the exhibition must send application simultaneously with the abstracts. The special software developers intended to make the presentation with using computer technique must send application with the demands on required PC data and software.

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Abstract Deadline: 1th March, 2012