PACS: 85.60.-q

Current directions for the development of research on semiconductor photosensory in Russia in 2023

(Review of materials of the Microelectronics-2023 Forum)

A. V. Polessky¹, A. V. Naumov², A. S. Bashkatov³ and A. A. Astapova¹

¹ Orion R&P Association, JSC 9 Kosinskaya st., Moscow, 111538, Russia E-mail: polesskiyav@orion-ir.ru

² ASTROHN Technology Ltd. Bd 1, 1 Parkovaya st., Lytkarino, Moscow Region, 140080, Russia E-mail: info@astrohn.ru

³ FSBI All-Russian Research Institute of Radio Electronics 2a Kolpakova st., Mytishchi, Moscow Region, 141002, Russia E-mail: vniir@vniir-m.ru

Received 19.12.2023; revised 10.01.2024; accepted 15.01.2024

A reports overview of the section "Optoelectronics and Photonics Technologies", subsection "12.1 Opto- and Photoelectronics" given at the Forum "Microelectronics – 2023" were given. The section was devoted to the development and research in the field of optoelectronics and photonics: semiconductor photosensors and photosensor materials, microcryogenic technology, thermal imaging and night vision.

Keywords: Microelectronics 2023, IR range, IR FPA, optical-electronic systems, lens.

REFERENCES

1. Russian Forum "Microelectronics 2023" 9th Scientific Conference "ECB and Microelectronic Modules". Collection of abstracts Park of Science and Art "Sirius", October 9–14, 2023 M.: TECHNOSPHERE, 2023. P. 970.