

Special Issue

Selected Papers on Lasers, Accelerators, and Optics to Celebrate the 100th Anniversary of the Birth of N.G. Basov

Message from the Guest Editor

The aim of the issue is to present results and ideas in the fields of physics that determine the progress of compact XUV and X-ray sources. They will find wide applications in scientific research, industry, healthcare, security systems, and other socially significant areas. Theoretical and experimental contributions are equally encouraged. The following areas are of particular interest:

- Classical electrodynamics: fundamentals and computations;
- Ultrafast optics;
- Pico–femto second lasers;
- Generation and acceleration of bright electron beams;
- Problems of accelerating structures with a high rate of energy gain;
- Problems of storage rings for low (

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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