



**Belarusian State University
of Informatics and Radioelectronics**

R&D Department

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Investigation of magnetic properties of bulk, two-dimensional and nanostructured materials

Type of collaboration

research cooperation

Key words

magnetic, nanostructures,
materials

Goals:

- Investigation of fundamental magnetic characteristics (exchange interaction energy, saturation magnetization, magnetic anisotropy energy, etc.);
- Investigation of dependences of the magnetic characteristics on the electronic and structural properties of the system;
- Investigation of micro- and macroscopic magnetic parameters (Curie temperature, exchange constant, exchange interaction field, saturation magnetization, magnetic anisotropy field, Bloch constant, etc.)

Methods:

QM with spin-orbit coupling and macroscopic modeling using QM data.

Contacts

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Technology Transfer

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