

RECRUITMENT TO THE PhD SCHOOL

Application online at: warsaw4phd.eu

applications open **21 Dec 2021** – deadline **4 January 2022**

Projects:

- (1) Ultra-cold atomic gases in optical lattices (theory)
[Emilia Witkowska](#)
- (2) Study of the effect of the nanostructured periodic nanomagnet lattices on magnon-phonon coupling (experiment, 2 positions)
[Vinayak Bhat / Tomasz Dietl](#)
- (3) Topological aspects of superconductivity and ferromagnetism in group IV chalcogenides – an experimental approach (experiment)
[Maciej Sawicki](#)
- (4) Properties and interactions of group IV-VI semiconductor multiferroics (experiment)
[Łukasz Kilański / Beata Brodowska](#)
- (5) Rocksalt (MgZn)O alloys and (MgZn)O/MgO quantum structure & their application in deep-ultraviolet light-emitters (experiment)
[Henryk Teisseyre](#)
- (6) MBE growth and characterization of oxide heterostructures for photovoltaic applications (experiment)
[Ewa Przeździecka](#)
- (7) Synthesis and structural investigation of bundles of carbon nanotubes filled with magnetic halide phases (experiment)
[Piotr Dłużewski](#)
- (8) Laser spectroscopy of diatomic molecules (experiment)
[Włodzimierz Jastrzębski / Jacek Szczepkowski](#)
- (9) Impact of chemically and physically-induced structural phase transitions on optical properties of inorganic perovskites (experiment)
[Andrzej Suchocki / Agata Kamińska](#)

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