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New Van der Waals Heterostructures for Opto and Nanoelectronics

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Message from the Guest Editor

Dear Colleagues,

Van der Waals heterostructures contain few layers of twodimensional nanomaterials, with weak interaction between layers. Such materials can be composed from graphene, hexagonal boron nitride (hBN), molybdenum disulfide (MoS2), other transition metal dichalcogenides (TMD), layered oxides, elements of IV and V groups, etc. These structures have outstanding optical, magnetic, and electronic properties that can be tuned by the number of layers and the type of stacking. Van der Waals heterostructures became essential elements of vertical field-effect transistors, ultrasensitive infrared photodetectors, and spin-filtering devices.

Prof. Dr. Olga E. Glukhova *Guest Editor*









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Message from the Editor-in-Chief

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