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Graphene and other Two-dimensional Materials in Nanoelectronics and Optoelectronics

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Message from the Guest Editor

Graphene and other two-dimensional (2D) materials have been one of the hottest research areas in the past decade. Giant projects, e.g., the EU Graphene Flagship led by Chalmers, have been launched. Today, commercial graphene products are readily available. However, most of them are graphene-based powders, paints, and composites. They are exciting, but one should not forget that the original motivation of Geim et al. to explore graphene was to study its field effect, hoping it would play a key role in post-silicon electronics. After all, nanoelectronics and optoelectronics are the main thread for 2D materials. That is the field where scientists tell the public 2D materials could replace, or at least complement the dominant role of Si in electronics.

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Guest Editor



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Message from the Editor-in-Chief

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