

2D material based electronics for wearable applications

Rapid advances in synthesis of graphene and transition metal dichalcogenides and fabrication methods for functional devices enable sophisticated types of functionality and their application to various emerging electronics, such as wearable and bioelectronics, that cannot be addressed with conventional rigid electronic materials. In this talk, I present the manipulation of 2D materials, and use in various device components for wearable and bioelectronics. Examples of devices include touch, tactile sensors, switching transistor for wearable display, and tactile sensor [1-4].

References

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- [4] W. Lee *et al.*, "Two-Dimensional Materials in Functional Three-Dimensional Architectures with Applications in Photodetection and Imaging", *Nature Communications*, **9**, 1417 (2018)