

Future Applications of Graphene

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Abstract

Graphene has emerged as a new material with a very bright future. It is predicted that it could be applied in many different fields ranging from energy, electronics, optoelectronics, aerospace, lighting, and up to biotechnology to mention a few. Some of these applications will be covered during this talk such as the use of graphene in future light harvesting devices [1], optical transistors [2], organic light emitting diodes and flexible batteries [3].

However, unique properties are not the only requirement that has to be fulfilled in order to be successful in the marketplace [4]. There are other important factors that have to be taken into consideration such as the availability of suitable industrial production methods, market readiness/awareness, industrial readiness of value chains, an effective technological progress, etc. Therefore, I will also try to shed some light into the industrial future of this material.

References

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