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über

Laser-induced graphene synthesis and emerging applications

Abstract:

Graphene is well known for its remarkable properties, which drive innovations across many fields, ranging from flexible electronics to sustainable, high performance energy solutions. Among graphene synthesis methods, "Laser-induced graphene" (LIG) offers a fast and cost-effective approach, transforming substrate materials such as Polyimide (PI) and graphene oxide (GO), but also everyday-use materials such as paper and wood into high-performance carbon structures.

In this presentation, the focus is on the fundamentals of graphene and LIG, alongside possible future applications.