Moving from fundamental studies to industrial applications with CVD-grown 2D materials

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To make 2D materials appealing for several applications at high technology readiness levels, requirements such as high-quality, scalability and contamination control have to be satisfied. In this talk, I will discuss scalable growth of high-quality graphene and transition metal dichalcogenides via chemical vapor deposition (CVD) [1-3] and discuss how these scalable 2D materials can be adopted in industrial applications, from integrated optical photonics [4], to power distribution [5].

References

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This work has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement 881603.