

## **Nanometrology in Graphene**

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Metrology is a very important part of science and any new material that might appear on the horizon. Graphene is a relatively newcomer that has shown a great potential to be applied in many different fields. Currently graphene is at a research stage, however, it is expected to have industrial applications in the near future. When we talk about graphene we are referring to a family of materials and as a consequence different techniques will be needed to assess the produced materials. Nanometrology and standardisation will be crucial in order to drive graphene products to the market since they will help evaluate the quality of the different graphene materials produced by various manufacturers, the development of industrial quality control methods and in line monitoring techniques. The current stage of nanometrology in graphene will be evaluated as well as future metrology requirements highlighting the need to move from scientific to industrial metrology.