

Newsfeed

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IEEE – MTT-25 RF Nanotechnology/IHP Workshop successfully accomplished

International scientists exchanged views about Graphene and 2D Materials

Frankfurt (Oder). For more than a decade, Graphene first and 2D materials immediately after, are animating the scientific landscape in several and manifold sectors. Today, it looks apparent that the main challenge laying ahead is the underlying technology, which has to deal with the inherent complexity of manufacturing. At the nanoscale in fact, the intrinsic crystal purity of the materials, and especially the control and engineering of the interfaces, be it with metals or with dielectrics, becomes paramount and dominates the device behavior. Hence the scope of this event, which gathers among the most active and brilliant research scientists in the field is to review the crucial limitations and discuss possible solutions (how to model, how to measure and especially how to fabricate). As result, this workshop is expected to draw some relevant conclusion on the present state of the art and propose some strategic visions toward future practical exploitation of these materials in RF electronics.

As result, this workshop reviewed some relevant conclusion on the present state of the art and propose some strategic visions toward future practical exploitation of these materials in RF electronics. “We would like to thank all invited speakers and participants which make this event a valuable and exiting discussion forum“, the organizers said “and we hope everyone enjoyed it.“



The participants of the IEEE –
MTT-25 RF
Nanotechnology/IHP
Workshop

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IEEE: https://www.ieee.org/index.html?WT.mc_id=head_bm

About IHP:

The IHP is an institute of the Leibniz Association and conducts research and development of silicon-based systems and ultrahigh frequency circuits and technologies including new materials. It develops innovative solutions for application areas such as wireless and broadband communication, security, medical technology, industry 4.0, automotive industry, and aerospace. The IHP employs approximately 300 people. It operates a pilot line for technological developments and the preparation of high-speed circuits with 0.13/0.25 μm BiCMOS technologies, located in a 1000 m^2 class 1 cleanroom.

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