



IBS Center for Multidimensional Carbon Materials



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Mass Production of Monolayer Graphene Film and Its Application in Opto-electronics Devices

APRIL 24 | Bldg. 101
MON 16:00 | Seminar room on the 1st floor

The film size and production capacity is of great significant for graphene in various applications such as touch panels, OLED, displays and so on. In this talk, I will give a brief introduction of graphene film manufacturing technology at Chongqing Graphene Technology Co. Ltd., and show how we can mass produce graphene film for industrial applications, with the production capacity of 1 million pieces per year. After that, I will focused on the processes of how we make a capacitive touch panel and integrate it into a smart phone. The flexible touch screen and e-ink display is also shown and the prototype of the flexible mobile devices will be demonstrated.

Haofei Shi received his PhD degree in Optical Engineering from the Institute of Optics and Electronics, Chinese Academy of Sciences (2009). After postdoctoral work at the University of Michigan (2009-2011), he became a professor of Chongqing Institute of Green and Intelligent Technology (CIGIT), Chinese Academy of Sciences (CAS), where he serves as the director of the Center of Nanofabrication and System Integration. He started up the Chongqing Graphene Tech. Co., Ltd. in 2013 and serves as the chief scientist of the company, where they completed the 1st and 2nd generation monolayer graphene film mass production line, and involved in the commercialization of graphene film. His research interests include synthesis of graphene film, fabrication of functional optoelectronics and electronics devices, and their application in information and energy related systems.

You are cordially invited to attend!

Special Guest Seminar