



量子物理学・ナノサイエンス第22回特別セミナー

# Two-dimensional materials beyond graphene

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日程 : 12月9日(火) 16:00- (受付開始 15:30-)

場所 : 本館3階H135講義室

## 概要

Two-dimensional atomic crystals, best exemplified by graphene, have emerged as a new class of material that may impact future science and technology. In this talk I will first discuss the physics and material aspect of graphene. Drawing from our experiences in graphene study, I will then discuss other 2D materials, including black phosphorus and 1T-TaS<sub>2</sub> thin film - two new materials with vastly different properties. We explore their electronic properties while the doping and dimensionality of the 2D systems are modulated.



Professor Yuanbo Zhang

The Winner of

2nd Nishina Asia Award in 2014

主催: 東京工業大学 ナノサイエンス・量子物理学国際研究センター

共催: 公益財団法人 仁科記念財団 [http://www.nishina-mf.or.jp/index\\_j.html](http://www.nishina-mf.or.jp/index_j.html)

東京工業大学「ナノサイエンスを拓く量子物理学拠点」

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