



香 港 大 學

THE UNIVERSITY OF HONG KONG

## Physics

**Professor Yao Wang**

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Professor Yao Wang obtained his BSc from Peking University in 2001, and PhD in physics from University of California, San Diego in 2006. He joined the University of Hong Kong in September 2008, and is currently a full professor in the Department of Physics. His research interest lies in the physics of spin and valley in solids, with a current focus on two-dimensional materials and their heterostructures. He has played a decisive role in creating an important new research direction – valley optoelectronics in 2D materials, which aims to exploit valley, a quantum degree of freedom of electron, in future optoelectronic devices. Prof. Yao has received the OCPA Achievement in Asia Award (Robert T. Poe Prize) in 2014 from The International Organization of Chinese Physicists and Astronomers (OCPA), the Croucher Innovation Award in 2013 from the Croucher Foundation, and the Outstanding Researcher Award 2014/15, Outstanding Young Researcher Award 2012/13 from University of Hong Kong.

Website: <https://www.physics.hku.hk/people/academic/357>

## 物理學

**姚望教授**

**香港大學理學院物理學系**

姚望教授於 2001 年在北京大學獲得學士學位，於 2006 年在加州大學聖疊戈分校獲得物理學博士學位。他於 2008 年 9 月至香港大學任職，現為物理學系正教授。他的研究領域主要是固體中跟電子的內部量子自由度相關的物理現象，目前主要關注的是二維材料及其異質結中的自旋和能谷物理。他的工作開啟了一個重要的研究方向：二維材料中的能谷光電子學，著眼於利用電子的能谷量子自由度來革新光電子器件的功能。他曾獲得全球華人物理與天文學會頒發的 2014 亞洲成就獎 (Robert T. Poe Prize)，香港裘槎基金會頒發的 2013 裘槎前瞻科研大獎，以及香港大學的傑出青年研究學者獎 2012-2013 和傑出研究學者獎 2014-2015。

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