

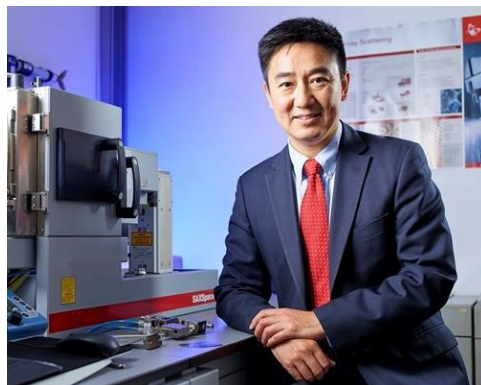
Professor Wang Xunli
Chair Professor, Department of Physics
City University of Hong Kong

Biography

Professor Wang Xunli is Head and Chair Professor at the Department of Physics, City University of Hong Kong. He received his PhD from Iowa State University and BS from Peking University, both in Physics. He joined City University of Hong Kong in 2012.

Professor Wang's expertise lies in neutron and synchrotron scattering measurements. He applies these state-of-the-art experimental techniques to study phase transformation and deformation in advanced materials.

His current research interests include structure and dynamics in metallic glass, deformation behaviours in high entropy alloys, and magneto-elastic coupling in magnetic shape memory alloys.



Prior to coming to Hong Kong, he worked at Oak Ridge National Laboratory in the US, rising through the ranks to Distinguished Staff Member. He was responsible for the design, construction and commissioning of VULCAN, a powerful engineering diffractometer at the Spallation Neutron Source at the Laboratory.

Since joining City University of Hong Kong, Professor Wang has dedicated his efforts to establishing Hong Kong as an international hub for neutron scattering research. With support from the Croucher Foundation, he started the biennial Croucher Summer Course on Neutron Scattering. He was also instrumental in launching the Gordon Research Conference series on Neutron Scattering, serving as the inaugural Chair in 2015. In addition, he co-founded a joint laboratory on neutron scattering with Professor Chen Hesheng at the Institute of High Energy Physics, Chinese Academy of Sciences. In 2020, Professor Wang helped establish the Guangdong-Hong Kong-Macau Joint Laboratory on Neutron Scattering, serving as the Executive Director in Hong Kong.

AWARDS AND HONOURS

- 2021 Croucher Senior Research Fellowship, Croucher Foundation
- 2020 Elected Fellow, Neutron Scattering Society of America
- 2018 Lee Hsun Lectureship, Chinese Academy of Sciences

- 2017 Elected Fellow, American Association for the Advancement of Science
- 2010 Elected Fellow, American Physical Society
- 2009 Chang Jiang Chair Professorship, Chinese Ministry of Education