

## Prof. Antonio H. Castro Neto



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Prof. Antonio H. Castro Neto got his Ph.D. in Physics at University of Illinois at Urbana-Champaign in 1994. His thesis studied the fundamentals of the theory of metals. In 1994, he moved to the Institute for Theoretical Physics at the University of California at Santa Barbara as a postdoctoral fellow where he dedicated his attention to low dimensional materials. In 1995, he became an Assistant Professor at University of California at Riverside where he wrote fundamental work on the theory of disordered materials. In 2000, he moved to Boston University as Professor of Physics. At Boston, Prof. Castro Neto became one of the leading scientist in the study of graphene and other two dimensional materials. Since 2010, Prof. Castro Neto is the Director of the Graphene Research Centre and in 2014 he became Director of the Centre for Advanced 2D Materials funded by the National Research Foundation of Singapore.

Prof. Castro Neto is a Distinguished Professor in the Department of Material Science Engineering and Physics, he is also Professor at the Department of Electrical and Computer Engineering, at the National University of Singapore. In 2003, Prof. Castro Neto was elected a fellow of the American Physical Society (APS) and in 2011 he was elected a fellow of the American Association for the Advancement of Science (AAAS).

Prof. Castro Neto was awarded the 11th Ross J. Martin Award by the University of Illinois at Urbana-Champaign; the University of California Regent Fellowship; the Alfred P. Sloan Research Fellowship; the visiting Miller Professorship by the University of California, Berkeley; the visiting Gordon Godfrey Professorship by the University of New South Wales, Australia; the Distinguished Visiting Chair Professor at the SKKU Advanced Institute of Nano-Technology (SAINT), South Korea; the Hsun Lee Lecture Award by the Institute of Metal Research at the Chinese Academy of Sciences; and Kramers Professorship at the University of Utrecht, the Netherlands.

In 2016, Prof. Castro Neto founded 2D Materials (2DM) Pte Ltd in Singapore for the development of high quality graphene, in 2017 he founded MADE Advanced Materials Pte Ltd for the development of graphene composites with carbon and glass fibres, in 2108 he founded PHASE Events Pte Ltd with the objective of scientific events in order to educate industry and academia on nano-materials and nano-technology, and in 2019 he founded Graphene Watts Pte Ltd for the development and commercialization of graphene-based Lithium-Sulphur (GLiS) batteries.

Prof. Castro Neto has authored more than 400 manuscripts and has published in prestigious journals including Science, Nature Materials, Nature Physics, and Physical Review Letters, and has over 60,000 citations; H-Index (Google Scholar): 102. Prof. Castro Neto has more than 54 invention disclosures and patents under his name.