



Dr. Humberto Terrones
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<http://www.rpi.edu/dept/phys/faculty/profiles/terrones.html>

Humberto Terrones carried out his PhD at the University of London (Birkbeck College) under the supervision of Prof. Alan L. Mackay (FRS). In 1991 Humberto Terrones and Alan Mackay were the first in introducing the concept of curvature in graphite and graphene proposing graphitic structures with negative Gaussian curvature called Schwarzites. Later, these ideas were implemented to understand defects in 2-D graphitic systems and were extended to transition metal dichalcogenides (TMDs). He is interested in the electronic, optical, mechanical and chemical properties of few layered 2-D materials as well as using them as building blocks to form new 3-D nanostructures. He is a member of the World Academy of Sciences for the Advancement of Science in Developing Countries (TWAS) and the Mexican Academy of Sciences. He has been invited professor in Belgium (UCL), Brazil (UFC), Japan (Shinshu), ORNL (USA), Penn State University (USA) and Sussex University (UK). At present, he is Rayleigh Endowed Chair professor of physics at Rensselaer Polytechnic Institute (USA).