



“固体所青联会”第六十六期

学术论坛

题目： Computational Nanoscience: applications on Energy Materials and Nanofluidics Sensors Design

报告人： Prof. Miranda (巴西圣保罗大学)

时间： 2018年1月16日 (周二) 上午 09: 30

地点： 固体所新楼520会议室

报告内容简介： Recent advances in multiscale computational nanoscience provides new understanding on the fundamental processes, search and design optimal nanostructured systems for energy materials and nanofluidics sensors applications. In this talk, Prof. Miranda will talk about advanced bottom-up and top-down methods in multiscale modeling on how to design energy materials for storage and conversion. The advantages of these modelling techniques will be demonstrated by how the water and ionic flowing through carbon nanotubes influences the overall electronic transport properties.

报告人简介： Caetano R. Miranda, Professor, University of São Paulo (USP), Brazil. He had built his scientific research career in the University of Cambridge (UK), Massachusetts Institute of Technology, (MIT), and the Abdus Salam International Theoretical Physics (ICTP) in Trieste. He works mainly in the area of Computer Simulation of Materials, applied to Energy and environmental issues, Nanotechnology for the oil industry and construction materials, Physics and Materials under extreme conditions.

