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Quantum Transport in Layered Materials

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closed (31 December 2018)

Message from the Guest Editors

Dear Colleagues,

A breakthrough of science and innovation has been triggered by synthesizing and manipulating layered materials. A key feature of the reduced dimensionality is the quantum character of the energy and charge carriers in these systems and the emergence of a peculiar behaviour of transport. Moreover, the study and the applications of layered materials cannot disregard the understanding of carriers' dynamics generated by atomic and structures. The general hallmark of current state of research is the fragmentation of the evidences and lack of a unifying framework handling the multiple scale of the transport phenomena.

The Special Issue will provide a series of papers for the current research in "Quantum Transport in Layered Materials". A particular focus will be given to manuscripts of researches aiming a) at closing the gap between quantum and mesoscopic transport schemes for layered materials and b) at exploiting the quantum effects in complex structures. Attention will be also given to the computational issues. Papers of high quality are welcome and will be carefully reviewed.

Sincerely yours

Dr. Antonino La Magna
Prof. Vittorio Romano
Guest Editors

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Editor-in-Chief

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Message from the Editor-in-Chief

Welcome to *Condensed Matter* (ISSN 2410-3896)! It gives me great pleasure to invite you to publish in the journal. We are looking to build a collection of high quality research articles, supported by a community from across the field of condensed matter physics. In this task, I will be assisted by a highly qualified editorial board. We accept papers on basic research as well as applications, and experimental or theoretical work. Currently the journal is indexed by ESCI (Web of Science) and hope you can consider *Condensed Matter* as an exceptional home for your manuscript.

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