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**Electrical Transport in Graphene Hybrid Structures** FENG MIAO, WENZHONG BAO, HANG ZHANG, CHUN NING LAU, Department of Physics and Astronomy, University of California, Riverside, CA 92521 — Graphene, mono-layer carbon atoms with honey-comb lattice, has intrigued condensed matter physics field for its unique electrical properties since its first discovery in 2004. The graphene hybrid structures that consist of both single and bi-layers were also experimentally studied recently for its novel properties. We will present our experimental study on the electron transport in graphene hybrid structures and the latest experimental data will be discussed in terms of various theoretic models.

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