

Abstract Submitted
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Improved methods of transfer of graphene from growth substrate to other surfaces and devices YUJIE REN, HUIFENG LI, Univ. of Texas at Austin, WEIWEI CAI, Xiamen University, SHANSHAN CHEN, RICHARD PINER, RODNEY RUOFF, Univ. of Texas at Austin — Transfer of graphene films from the growth substrate to other surfaces has turned out to be one of the important challenges to creating graphene based devices. In this talk we will review new techniques which we are developing to meet these challenges. In addition to describing the best technique we have to date, we will show data demonstrating the effectiveness of these techniques. Our analysis includes scanning micro-Raman spectroscopy, electronic measurements with FET devices created with our techniques and other microscopic techniques. FET measurements indicate a strong influence of transfer technique on the doping of the device.

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