

Abstract Submitted  
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**Characterization of Graphene Transferred onto Hydrated "Soft" Substrates**<sup>1</sup> M. BLADES, P. VENDOLA, W. PIERRE, S. JEDLICKA, S.V. ROTKIN, Lehigh University — Graphene's unique properties have recently found application in the fields of biosensing and bioimaging. Substrate selection is an important step in the use of graphene for this purpose; however, choices are usually limited to hard, dry surfaces such as silicon dioxide. Here we demonstrate a modified procedure, based on the H<sub>2</sub> bubbling method, for transferring graphene to the soft hydrogel polyacrylamide. Widefield imaging and confocal Raman mapping were performed to characterize the quality of the transfer.

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