Electric, Sensing, and Mechanic Properties of thick cBN and Surface-Modified Ceramic Nanosheets

P.X. Feng, H.X. Zhang, M. Sajjad, X.Y Peng, E.Arroyo, L.Fonseca, G. Morell, B. Weiner University of Puerto, San Juan, PR 00931, Tel: 1-787-764-0000 ext 2719, Email: pfeng@cnnet.upr.edu

Projects: To understand how plasma beam techniques used to synthesize thick cBN and few-atom-layer ceramic nanosheets. To understand how chemical modification to control forbidden band gap in order to manipulate insulated, semiconducting properties for the ceramic nanosheets for electric, sensing, mecahnical applications.



Looking for new collaborators: 1, STEM, 2, devices