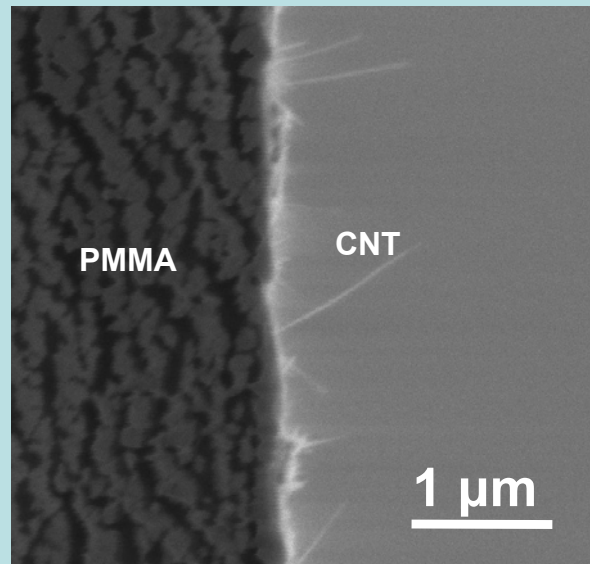


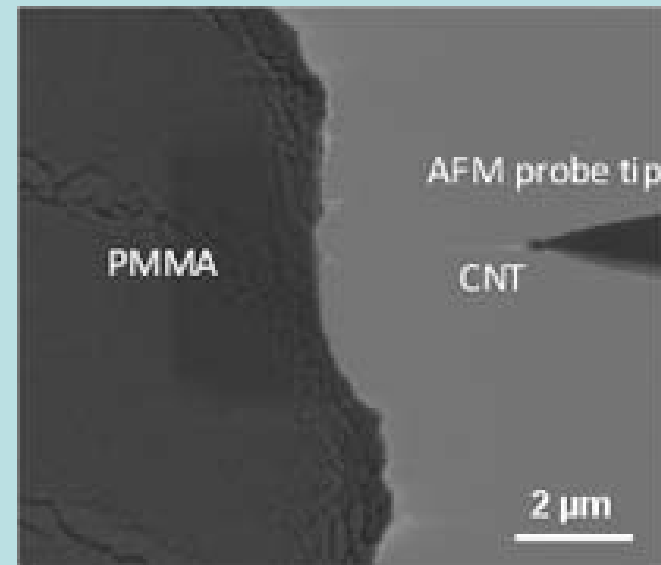
Investigating Interfacial Stress Transfer in Carbon Nanotube-Reinforced PMMA Polymers

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Dispersed Carbon Nanotubes partially embedded into PMMA



One Pulled-out Carbon Nanotube from PMMA

The aim of this project is to study the interfacial strength between individual carbon nanotubes and PMMA Polymers by performing nanoscale pull-out experiments. We successfully manufactured individual free-standing carbon nanotubes partially embedded into thin-film PMMA polymers and performed the pull-out experiments on individual carbon nanotubes inside a high resolution scanning electron microscope. Our results show that the interfacial strength between CNT and PMMA is ~ 10 MPa.