Combining separation and synthesis to achieve structure control of carbon nanotubes

Ming Zheng

Materials Science and Engineering Division, National Institute of Standards and Technology Gaithersburg, Maryland 20899, United States

In this talk, I will present some recent advancement we have made in length separation of surfactant dispersed carbon nanotubes. I will also present some carbon nanotube cloning results we have obtained with Dr. Chongwu Zhou's group (*Nature Communications*, 2012, DOI:10-1038/ncomms2205).