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Ultrasonic Spraying of Carbon Nanotubes using Organic Solvents ANTHONY WILLEY, ROBERT DAVIS, RICHARD VANFLEET, Brigham Young University, BYU NANOSCALE PHYSICS GROUP TEAM — Because of their unique electrical and mechanical properties, thin films of carbon nanotubes have several potential applications, especially in the fields of organic electronics and photovoltaics. We present a method for spraying thin films of nanotubes that have been suspended in organic solvents N-methyl Pyrollidone (NMP) and N-Cyclohexyl-2-pyrrolidone (CHP). The sprayed nanotubes are randomly oriented, and films are transparent, conductive, and mechanically stable.

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