Electronic Supplementary Information

2-point I-V measurements were conducted for varying contact spacings along a printed structure to determine the resistance of the CNT/PDMADMAC LbL assemblies. The contact spacing versus resistance plot is shown in Figure S1.

**Figure S1.** Resistance (R) of patterns with 3 (■), 5 (●), or 8 (▲) bilayers versus distance between probe points (l) for 2-point conductivity measurements. Dashed lines were linearly regressed to the data.