

## **Supplementary Information**

### **Polymer Solar Cells Using Single-Wall Carbon Nanotubes Modified with Thiophene Pedant Groups**

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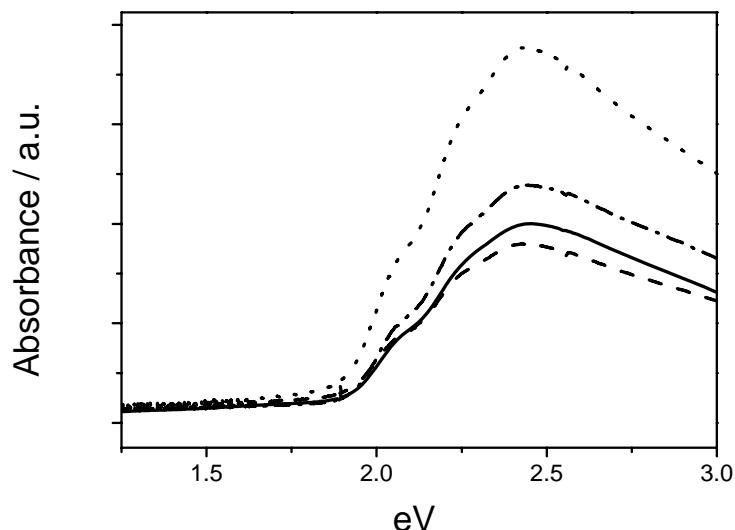
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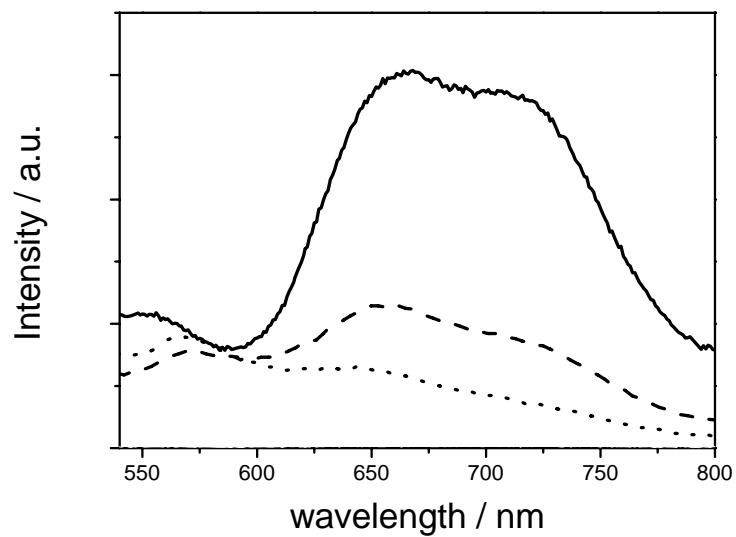
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**Figure 1S:** Absorption spectra of the carbon nanotube composite films with poly(3-octylthiophene), P3OT, as a function of energy (in eV): P3OT (full line); SWCNT + P3OT (dash-dot line); SWCNT-COOH + P3OT (dot line) and SWCNT-THIOP + P3OT (dash line).



**Figure 2S:** Luminescence spectra of the pristine P3OT film and its composites with single-wall carbon nanotubes: P3OT (full line); P3OT + 5 % wt of SWCNT-COOH (dot line) and P3OT + 5 % wt of SWCNT-THIOP (dash line).  $E_{exc} = 508$  nm.