

Tuesday, May 3rd, 2011

16:00h, Lecture Hall: 5111.0080

Coffee and cakes from 15:30h

# Recent Advances in Organic Electronics: Ambipolar Transistors and Nanowire Photovoltaics

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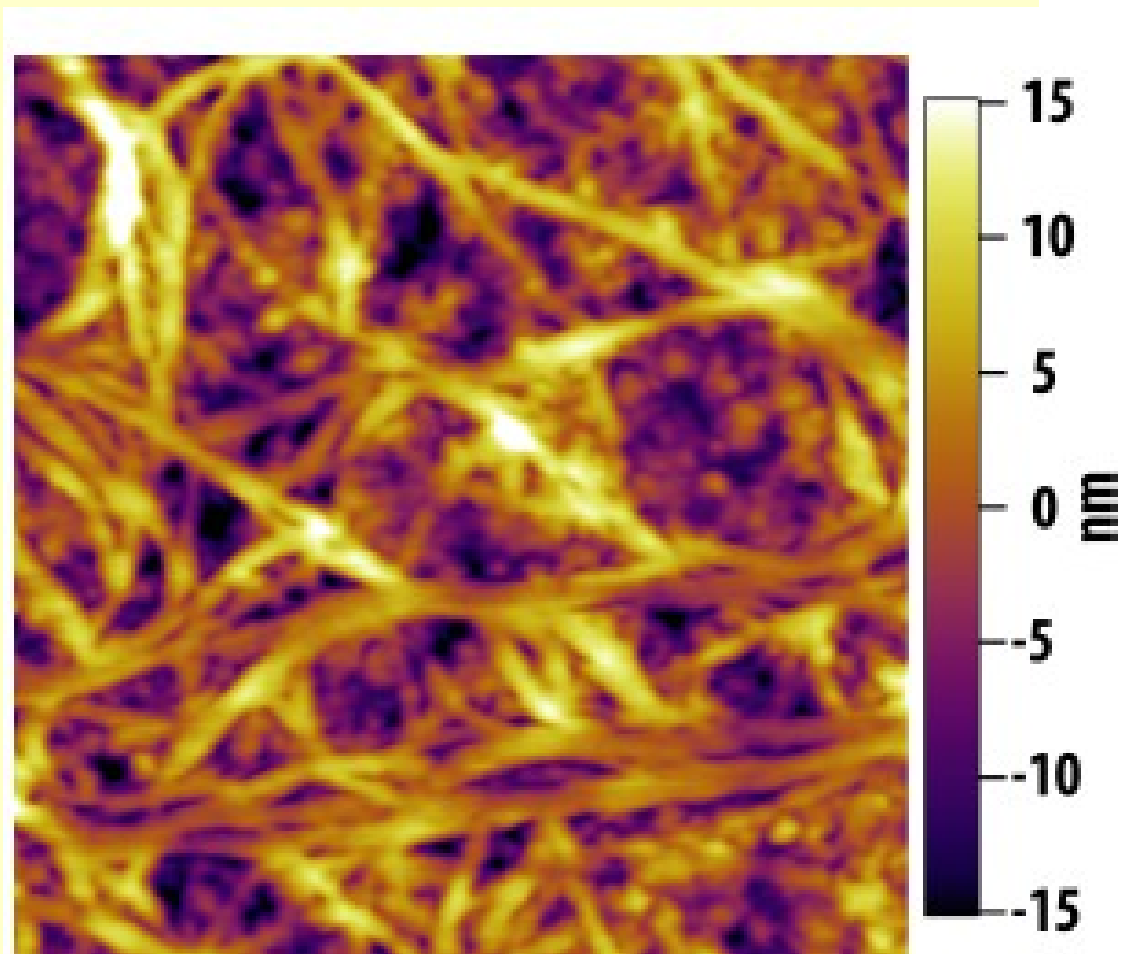
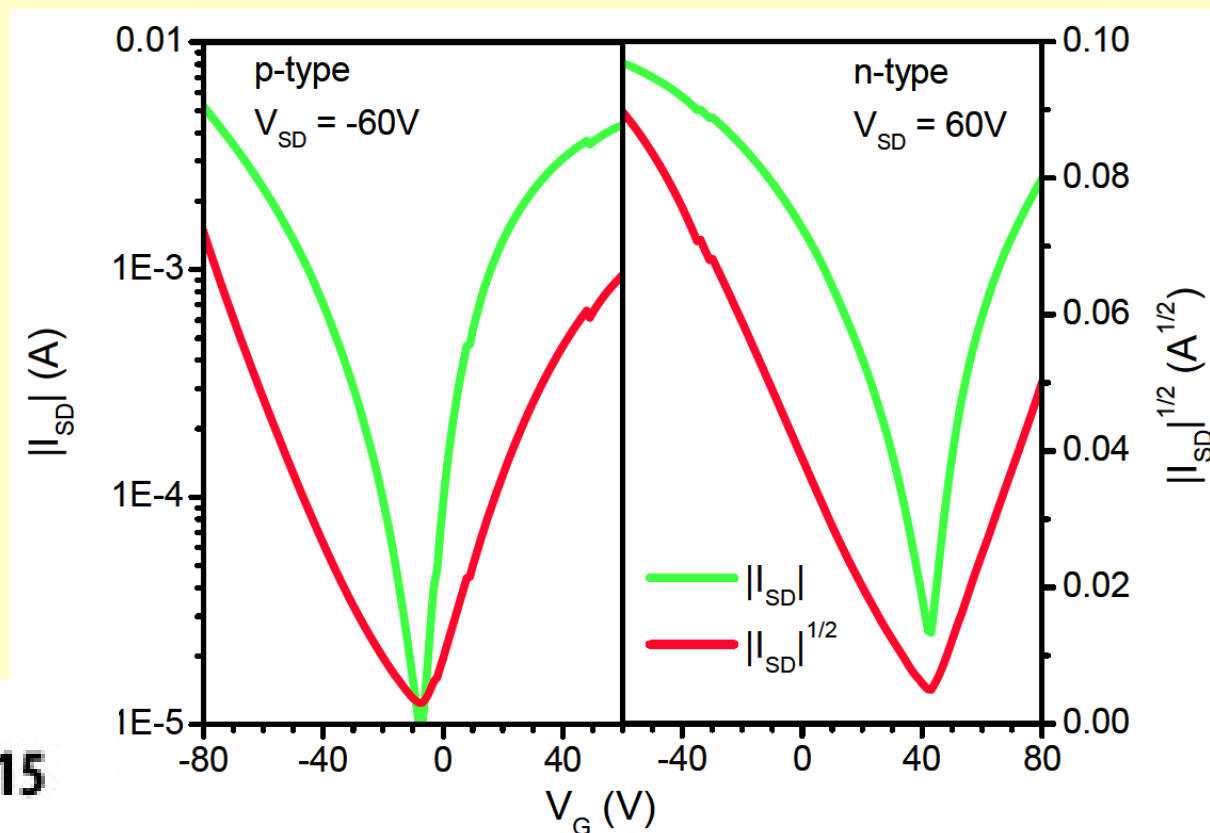
**University of California**

**Santa Barbara, CA USA**



Very low bandgap conjugated polymers ( $E_g$  ca 0.6eV) will be presented. These behaved as excellent bipolar organic field effect transistors (OFET) with mobilities on the order of ca  $1\text{cm}^2\text{V}^{-1}$ .

The unexpected magnetic behavior of the undoped form will also be discussed.



In the second part of the presentation a fullerene diad whose morphology can be controlled will be presented.

Single nanotube (nanofiber) forms showed a photoresponse.