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Quantifying Order in Semiconducting Polymers CHAD SNYDER, NIST - Natl Inst of Stds & Tech — Semiconducting polymers form the basis for the burgeoning flexible electronics industry. However, quantifying their order can be challenging due to the nanophase separation induced by the side chains which are used to impart solubility, their propensity to form mesophases, and their often high levels of paracrystalline disorder. Recent successes in our laboratory in understanding these materials and quantifying their order will be presented.

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