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Sommario/riassunto	The field of semiconducting polymers has attracted many researchers from a diversity of disciplines. While, on the one hand, some of the foreseen applications are already being realized in industrial products, there is, on the other hand, still a deficient knowledge of the basic phenomena. Many of our insights derive from the pioneering studies of conducting polymers in the 1980's. Whereas conjugated polymers in their conducting (doped) form have seen limited practical use so far, the potential of semiconducting polymers looks enormous. For the latter, the processibility requirements for device fabrication can be more easily met. This book describes the various approaches taken by prominent researchers in the fields of synthetic chemistry, physical chemistry, engineering, computational chemistry, theoretical physics, and applied physics to understand and control the properties of these

fascinating molecular materials.