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Nota di contenuto	Cover; Contents; Preface; Table of Boxes; Chapter 1 The Electronic Structure of Organic Semiconductors; 1.1 Introduction; 1.1.1 What Are "Organic Semiconductors"?; 1.1.2 Historical Context; 1.2 Different Organic Semiconductor Materials; 1.2.1 Molecular Crystals; 1.2.2 Amorphous Molecular Films; 1.2.3 Polymer Films; 1.2.4 Further Related Compounds; 1.2.5 A Comment on Synthetic Approaches; 1.3 Electronic States of a Molecule; 1.3.1 Atomic Orbitals in Carbon; 1.3.2 From

Atomic Orbitals to Molecular Orbitals; 1.3.3 From Orbitals to States; 1.3.4 Singlet and Triplet States
1.4 Transitions between Molecular States
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Sommario/riassunto

Anna Koehler has been Professor and Chair of Experimental Physics II at the University of Bayreuth since 2007. After completing her PhD 1996 with Sir Richard Friend at the University of Cambridge, UK, she held Research Fellowships by Peterhouse, Cambridge, and by the Royal Society, UK. She was appointed Professor at the University of Potsdam, Germany, in 2003. Her research centres on the photophysical properties of organic semiconductors, with a focus on energy and charge transfer processes in singlet and triplet excited states. Heinz Baessler is retired Professor at the Bayreuth Institute of
