

STUDIES OF THE SURFACES OF SOLIDS BY ELECTRON SPECTROSCOPY: RECENT TRENDS

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Electron diffraction and spectroscopy have contributed to major progress in our understanding of surface physics and surface chemistry. The papers contributed at the Royal Society Discussion Meeting held in February 1985 authoritatively reflect the status of photoelectron spectroscopy, extended X-ray absorption fine structure studies, of energy loss spectroscopy and electron microscopy in studies of surface structure and dynamics. Several important papers are concerned with structure–reactivity relations and take the reader close to catalytic régimes. Trends in the development of these surface-sensitive methods and their novel applications are summarized.

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