

Preface

Conducting polymers have permeated many fields of electrochemical research. Like metals and alloys, inorganic semiconductors, molecular and electrolyte solutions, and inorganic electroactive solids, they comprise a group of compounds and materials with very specific properties; indeed, there is now a research field focusing on the electrochemistry of conducting polymers. Conducting polymers possess similarities from an electrochemical point of view to all of the other compounds and materials mentioned above, making them a highly fascinating research topic. Furthermore, such research has led to numerous new applications, ranging from corrosion protection to analysis. There are a huge number of electrochemical papers on conducting polymers, and a good number of books on this topic too. However, the editor of the present series of *Monographs in Electrochemistry* noted that there was no modern monograph on the market in which the electrochemistry of conducting polymers is treated with the appropriate balance of completeness and selectivity. Such a monograph should be written by an active electrochemist who is experienced in the field of conducting polymers, and who possesses a solid knowledge of the theoretical foundations of electrochemistry. Therefore, I am very happy that György Inzelt from the Eötvös Loránd University in Budapest, Hungary, agreed to write this monograph. I hope that graduate students in electrochemistry, the chemistry and physics of materials, industrial chemists, and researchers at universities and industry alike will find this monograph enjoyable and stimulating, as well as helpful for their work.

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