Preface

This book gives the reader the necessary physical background of impedance cardiography and currently available systems for hemodynamics holter monitoring. It compares ambulatory impedance cardiography and other clinically accepted methods through an updated state-of-the-art. Besides describing the techniques, it also shows the clinical applications of them. The book is intended for graduate and postgraduate students, researches and practitioners interested in impedance cardiography and/or in ambulatory monitoring of vital signals in human. The monograph summarizes my research on the subject I have been developing for the last 15 years. It is based in a large portion on my habilitation thesis, published in *Polish Journal of Medical Physics and Engineering* (PJMPE, 2005). Hereby, I would like to thank to the Publisher authorities of PJMPE for their kind agreement to use the material from the thesis in this book.

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