Electrocardiology has witnessed a century of development since the introduction of Einthoven’s Galvanometer. With rapid progress in the scientific, technological and clinical aspects of the field of electrocardiology in recent years, electrocardiology now covers a wide range of topics from molecules as the electrical origin of the heart to diagnostic and therapeutic applications for cardiovascular diseases.

Contributors to the volume include leading experts in the field such as PJ Schwartz, C Antzelevitch, Y Rudy, HJGM Vrijin, DG Escande, AAM Wilde, DA Kass, J Jalife and A d’Avila. The book is an essential source of reference for cardiologists and electrocardiologists.

A wide range of topics are covered, including molecular biology, genetics, channelopathy, atrial fibrillation, catheter ablation, modeling of cardiac electrical activity, cardiac mapping, as well as diagnosis, treatment and prevention of cardiac disease and arrhythmic disorders.