

Preface

I would like to first thank Canadian ethnic Chinese Engineer Mr. Liu Songqing, who recommended the book to authoritative Springer Company passionately and suggested publishing the English edition of the book after reading. I wish to thank Mr. Chen Yinzhou (Prof. with Wuhan University of Technology) for his diligent efforts in translating the Chinese edition of the book into English. In particular, I would like to thank Miss Shen Li, who is a professional editor of Springer Company. It is her professional and careful work that makes this book to be published as early as possible.

Since concrete has been applied for nearly 200 years, research and innovations on concrete have been unceasing. Especially, in the recent two decades, world-shaking technical revolution has emerged in concrete technology. Cement production, application of admixture, mix proportion designed method, utilization of fly ash, and variation of construction technology, have changed greatly. However, theoretical research and summary on engineering technical experience are always hysteric. This book comprises summaries on practice experiences in engineering, exploration on theoretical problems encountered while working across the whole of China, and personal experiences in more than 20 different projects located from East to West China and South to North China during over 20 years. The author hopes it can provide certain help and illusion to every readers.

Since this book was published by the well-known Tsinghua University Press in 2012, great interest has been aroused among concrete academic field at home and international Chinese-speaking world. A great number of professors and experts proposed enthusiastic opinions and suggestions, and the author accepted many of their excellent opinions and suggestions in the English edition of this book. I would like to express my deep appreciation to them.

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