verification tutorials to check the reliability of custom-made computer programs and of commercial Finite Element software developed/used for the design of earthquake-resistant R/C buildings. Further, detailed analysis and design examples of typical multi-storey three-dimensional R/C structures. European EC8 (EN 1998-1:2004) and EC2 (EN 1992-1-1:2004) codes of practice. The book provides unique step-by-step flowcharts which take the reader through all the required operations. The book relies on the second approach and presents the theoretical background and the governing differential equations (for researchers) and simple closed-form approximate results. The book is a personal anthology of the author's utmost academic works and accomplishments with his former students and colleagues intended as an enduring record for the engineering community for many years to come. The author's forty-year professional career and academic life journey is first briefly sketched in Chapter 1 and more details are elaborated in three chapters that follow: Chapter 2: The first ten years at Lehigh — beginning to show; Chapter 3: Twenty-three years at Purdue — the highly productive years; and Chapter 4: seven years at UH — the pursuit of excellence. The author's specific academic contributions are documented in the following three chapters: Chapter 5: 23 academic bulletins are selected to highlight his 10 chapters that follow: Chapter 2: The first ten years at Lehigh — beginning to show; Chapter 3: Twenty-three years at Purdue — the highly productive years; and Chapter 4: seven years at UH — the pursuit of excellence. The author's specific academic contributions are documented in the following three chapters: Chapter 5: 23 academic bulletins are selected to highlight his 10