

1. Record Nr.	UNINA9910458093303321
Autore	Chen Wai-Fah <1936->
Titolo	My life's journey [[electronic resource] =] : Wo di sheng ya yu xing si : reflections of an academic // Wai-Fah Chen
Pubbl/distr/stampa	Hackensack, N. J., : World Scientific, c2007
ISBN	1-281-91902-0 9786611919023 981-277-014-3
Descrizione fisica	1 online resource (464 p.)
Disciplina	624.1092
Soggetti	Civil engineers - United States Civil engineering - Study and teaching (Higher) - United States Structural engineering - Research - United States Electronic books. China History 20th century Taiwan History 1945-
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface ; Contents; 1. The Civil War .; 1.1 My Childhood ; 1.2 The Escape ; 1.3 Experience in Taiwan ; 1.4 Remembering Father -; 2. The Wisdom of Class 33 ; 2.1 The Legacy ; 2.2 The Cardinal Rules for Senior Life ; 2.3 On Marriage ; 2.4 On Family ; 2.5 On Aging Parents ; 2.6 On Economics 101 ; 2.7 On Health ; Appendix 2.1 W.F. Speech for Brian's Wedding ; Appendix 2.2 Eric's Speech for Brian's Wedding ; Appendix 2.3 Suh and Hsuan Wedding Ceremony ; 3. The Voyage to America ; 3.1 The Start ; 3.2 Voyage to San Francisco 3.3 Summer Jobs in New York 3.4 Settled Down at Lehigh ; 3.5 Looking Back ; 3.6 Joining the Elite Group ; 4. My Lifelong Companion-Linlin ; 4.1 The Romance ; 4.2 The Wedding ; 4.3 The Hsuan's Family ; 4.4 Linlin's Business Adventure ; 4.5 The Chen's Family ; 5. Academic Career at Lehigh ; 5.1 The Leader - Lynn S. Beedle ; 5.2 On Structural

Connections ; 5.3 On Beam-Columns ; 5.4 On Limit Analysis and Soil Plasticity ; 5.5 On Concrete Plasticity ; 5.6 On Polymer Concrete ; 5.7 On Lehigh Education Appendix 5.1 Doctoral Students-Lehigh University Appendix 5.2 Publications ; 6. Academic Life at Purdue ; 6.1 The Background ; 6.2 My Students ; 6.3 On Offshore Structural Engineering ; 6.4 On Constitutive Equations ; 6.5 On Safety of Temporary Structures ; 6.6 On Advanced Analysis for Frame Design ; 6.7 On Structural Members and Frames ; 6.8 On Software Development Environment ; 6.9 Concluding Remarks ; Appendix 6.1 Doctoral Students-Purdue University ; Appendix 6.2 Publications ; 7. My Life Story ; 7.1 Step down as Dean 7.2 My Schooling 7.3 My Career Path ; 7.4 My Celebrity Status ; 7.5 My Honors and Recognitions ; 7.6 My Family ; 7.7 50-Year Friendship 50 ; 8. Academic Contributions ; 8.1 Background ; 8.2 Solid Mechanics ; 8.3 My Research at a Glance ; 8.3.1 Steel Connections ; 8.3.2 Beam-Columns ; 8.3.3 Limit Analysis ; 8.3.4 Soil and Concrete Plasticity ; 8.3.5 Advanced Analysis ; 8.3.6 Semi-Rigid Frames ; 8.4 Slide Rule and Calculator Environment ; 8.4.1 General Trend in Structural Engineering in the 1960-70's 8.4.2 Contributions to Limit Analysis in Soil Mechanics 8.5 Mainframe Computing Environment ; 8.5.1 General Trend in Structural Engineering in the 1970-80's ; 8.5.2 Contributions to Constitutive Modeling of Materials ; 8.6 Desktop Computing Environment ; 8.6.1 Current Trend in Structural Engineering ; 8.6.2 Contributions to Advanced Analysis ; 8.7 Future Trends in Structural Computing ; 8.8 Rules for Good Engineering Practice ; References; Appendix 8.1 Books and Contributed Chapters ; 9. Life in Rapidly Changing Times ; 9.1 High Tech and New Economy 9.2 Career Flexibility in Rapidly Changing Times

---

## Sommario/riassunto

Dr Wai-Fah Chen - a Chinese-born American academic and widely recognized structural engineering specialist in the field of mechanics, materials, and computing - has certainly led a fascinating life. A well-respected leader in the field of plasticity, structural stability, and structural steel design over the past half-century, he has made major contributions to introduce the mathematical theory of plasticity to civil engineering practice, especially in the application of limit analysis methods to the geotechnical engineering field. Having headed the engineering departments at the University of

---