



Railway Geotechnics

By Dingqing Li, James Hyslip, Ted Sussmann, Steven Chrismar

[Download now](#)

[Read Online](#) 

Railway Geotechnics By Dingqing Li, James Hyslip, Ted Sussmann, Steven Chrismar

Links Geotechnics with Railway Track Engineering and Railway Operation

Good railway track and railway operations depend on good geotechnics, in several different ways and at varying levels.

Railway Geotechnics covers track, track substructure, load environment, materials, mechanics, design, construction, measurements, and management. Illustrated by case studies, with an emphasis on the geotechnical aspects of railway engineering, it discusses these topics from a historical perspective. It also presents the methodologies and best practices developed over the past 20 years.

Written by Four Experienced Professionals

This book:

- Emphasizes the practical aspects and best practices for railway track and substructure
- Contains guidelines for design, construction, and maintenance of railway track and substructure
- Provides many examples and case studies

Railway Geotechnics is written primarily for professionals and graduate students, and begins with the fundamentals and basic principles, leading in to practical applications. The authors bring considerable experience and expertise, with many years of research and development, academia, railway operations, and consulting.

 [Download Railway Geotechnics ...pdf](#)

 [Read Online Railway Geotechnics ...pdf](#)

Railway Geotechnics

By Dingqing Li, James Hyslip, Ted Sussmann, Steven Chrismer

Railway Geotechnics By Dingqing Li, James Hyslip, Ted Sussmann, Steven Chrismer

Links Geotechnics with Railway Track Engineering and Railway Operation

Good railway track and railway operations depend on good geotechnics, in several different ways and at varying levels.

Railway Geotechnics covers track, track substructure, load environment, materials, mechanics, design, construction, measurements, and management. Illustrated by case studies, with an emphasis on the geotechnical aspects of railway engineering, it discusses these topics from a historical perspective. It also presents the methodologies and best practices developed over the past 20 years.

Written by Four Experienced Professionals

This book:

- Emphasizes the practical aspects and best practices for railway track and substructure
- Contains guidelines for design, construction, and maintenance of railway track and substructure
- Provides many examples and case studies

Railway Geotechnics is written primarily for professionals and graduate students, and begins with the fundamentals and basic principles, leading in to practical applications. The authors bring considerable experience and expertise, with many years of research and development, academia, railway operations, and consulting.

Railway Geotechnics By Dingqing Li, James Hyslip, Ted Sussmann, Steven Chrismer Bibliography

- Sales Rank: #1254370 in Books
- Published on: 2015-09-25
- Original language: English
- Number of items: 1
- Dimensions: 1.40" h x 6.10" w x 9.40" l, .0 pounds
- Binding: Hardcover
- 592 pages



[Download Railway Geotechnics ...pdf](#)

 [Read Online Railway Geotechnics ...pdf](#)

Download and Read Free Online Railway Geotechnics By Dingqing Li, James Hyslip, Ted Sussmann, Steven Chrismer

Editorial Review

Review

"... pleasing to see a book direct attention so thoroughly at the mechanics of granular materials and soils. In that sense, it has the potential to effectively supersede the very popular Selig and Waters book. ... well-written and very nicely illustrated... a very useful book to all concerned with railway substructures. ... this is a book that I expect to take a prominent place in the rather short list of references available to the railway engineer."

?N. H. Thom, University of Nottingham, UK

"... a welcome addition to some of the already very popular books in this area... I expect this book to cover the best practices in railway geotechnics from around the globe and will be a useful reference to rail practitioners and researchers alike."

?Buddhima Indraratna, University of Wollongong, Australia

"... offers a very comprehensive and in-depth and up-to-date treatment of the important and often-neglected subject of railway geotechnics. ... The material presented. ... together with the accessible style of writing and the reputation of all of the authors, would be sufficient encouragement for me to have the book on my shelf."

?Michael Burrow, University of Birmingham, UK

About the Author

Dr. Dingqing Li is executive director and senior scientist, Government Programs and Engineering Services, with the Transportation Technology Center, Inc, a subsidiary of the Association of American Railroads. He has more than 25 years of research, testing, modeling, consulting, and academic experience in railway engineering, and has published more than 200 technical papers and reports. Dr. Li received his Ph.D in civil engineering from the University of Massachusetts Amherst in 1994, and received his B.S. and M.S. degrees from Central South University in China. Dr. Li is a registered professional engineer, and is a member of AREMA and ASCE.

Dr. James (Jim) Hyslip is president of HyGround Engineering (Williamsburg, Massachusetts), where he provides consulting services in the areas of railway and geotechnical engineering. Dr. Hyslip has more than 25 years of experience in railroad engineering and geotechnical consulting, including positions as track supervisor (roadmaster) and engineer of soil mechanics at the Consolidated Rail Corporation (Conrail). Additionally, he was a geotechnical engineer with GeoMechanics, Inc. (Pittsburgh, Pennsylvania). Dr. Hyslip has engineering degrees from Bucknell University, the University of Pittsburgh, and the University of Massachusetts Amherst, and is registered in the USA as a professional engineer.

Dr. Theodore (Ted) Sussmann is a civil engineer with a focus on railroad geotechnical infrastructure engineering. He has 20 years of experience in characterizing track materials and structural response for

safety and reliability evaluation, life-cycle cost assessment, and maintenance planning to support infrastructure sustainability. Dr. Sussmann teaches civil engineering at the University of Hartford, and has led track research at the Volpe Center. He was a research fellow at the University of Massachusetts Amherst, where he received his B.S.C.E. (Magna Cum Laude), M.S.C.E., and Ph.D. Dr. Sussmann is also a member of ASCE, AREMA, Tau Beta Pi, and Chi Epsilon.

Dr. Steven Chrismer is a senior mechanical track and vehicle engineer with LTK Engineering, where he specializes in dynamic vehicle-track interaction and track engineering. Dr. Chrismer has 33 years of rail industry experience mainly devoted to developing railway geotechnology for freight loading, including heavy haul, for the Association of American Railroads Research and Test Department. He has also worked for Amtrak, where he applied railway geotechnology to high-speed passenger service. He is chairman of the AREMA High Speed Rail Systems Committee, and is a registered professional engineer.

Users Review

From reader reviews:

Ramona Wrenn:

The book Railway Geotechnics can give more knowledge and information about everything you want. Why then must we leave a good thing like a book Railway Geotechnics? Wide variety you have a different opinion about publication. But one aim this book can give many details for us. It is absolutely suitable. Right now, try to closer with the book. Knowledge or facts that you take for that, it is possible to give for each other; you are able to share all of these. Book Railway Geotechnics has simple shape however you know: it has great and large function for you. You can appear the enormous world by open and read a e-book. So it is very wonderful.

Kathleen Knight:

A lot of people always spent their very own free time to vacation or even go to the outside with them family or their friend. Were you aware? Many a lot of people spent they free time just watching TV, or maybe playing video games all day long. If you wish to try to find a new activity honestly, that is look different you can read some sort of book. It is really fun for yourself. If you enjoy the book that you simply read you can spent all day every day to reading a book. The book Railway Geotechnics it is quite good to read. There are a lot of people that recommended this book. We were holding enjoying reading this book. When you did not have enough space to deliver this book you can buy typically the e-book. You can more simply to read this book from your smart phone. The price is not to fund but this book offers high quality.

Shirley Parker:

Reading can called brain hangout, why? Because if you are reading a book specifically book entitled Railway Geotechnics your mind will drift away trough every dimension, wandering in each and every aspect that maybe not known for but surely can be your mind friends. Imaging each and every word written in a book then become one application form conclusion and explanation this maybe you never get just before. The Railway Geotechnics giving you another experience more than blown away your brain but also giving

you useful information for your better life within this era. So now let us show you the relaxing pattern here is your body and mind is going to be pleased when you are finished studying it, like winning an activity. Do you want to try this extraordinary spending spare time activity?

Stephen Galvan:

Are you kind of active person, only have 10 or 15 minute in your day to upgrading your mind ability or thinking skill also analytical thinking? Then you are receiving problem with the book in comparison with can satisfy your short space of time to read it because all of this time you only find publication that need more time to be study. Railway Geotechnics can be your answer given it can be read by a person who have those short spare time problems.

Download and Read Online Railway Geotechnics By Dingqing Li, James Hyslip, Ted Sussmann, Steven Chrismer #E162VBZWS35

Read Railway Geotechnics By Dingqing Li, James Hyslip, Ted Sussmann, Steven Chrismer for online ebook

Railway Geotechnics By Dingqing Li, James Hyslip, Ted Sussmann, Steven Chrismer Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Railway Geotechnics By Dingqing Li, James Hyslip, Ted Sussmann, Steven Chrismer books to read online.

Online Railway Geotechnics By Dingqing Li, James Hyslip, Ted Sussmann, Steven Chrismer ebook PDF download

Railway Geotechnics By Dingqing Li, James Hyslip, Ted Sussmann, Steven Chrismer Doc

Railway Geotechnics By Dingqing Li, James Hyslip, Ted Sussmann, Steven Chrismer Mobipocket

Railway Geotechnics By Dingqing Li, James Hyslip, Ted Sussmann, Steven Chrismer EPub