Handbook of Research on
Emerging Innovations in Rail
Transportation Engineering

Part of the Advances in Civil and Industrial Engineering Book Series

B. Umesh Rai (Chennai Metro Rail Limited, India)

Description:

The rail-based transit system is a popular public transportation option, not just with members of the public but also with policy makers looking to install a form of convenient and rapid travel. Even for moving bulk freight long distances, a rail-based system is the most sustainable transportation system currently available.

The Handbook of Research on Emerging Innovations in Rail Transportation Engineering presents the latest research on next-generation public transportation infrastructures. Emphasizes a diverse set of topics related to rail-based transportation such as funding issues, policy design, traffic planning and forecasting, and engineering solutions.

Readers:

This comprehensive publication is an essential resource for transportation planners, engineers, policymakers, and graduate-level engineering students interested in uncovering research-based solutions, recommendations, and examples of modern rail transportation systems.

ISBN: 9781522500841       Release Date: May, 2016       Copyright: 2016       Pages: 300

Topics Covered:

- Automated Testing
- Intelligent Transportation Systems
- Public Transportation
- Rail Funding and Financing
- Railway Safety
- Railway Signaling Systems
- Sustainable Transportation
- Traffic Management
- Transportation Planning

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<thead>
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<th>2 Year</th>
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Table of Contents

Section I

1. Past futures Innovation and the Railways of Nineteenth-Century London and Paris
   Dr. Carlos Lopez Galvi
   University of London, UK

2. The potential for rail transit as a way to mitigate accident risk: A case study in Chennai
   Sameera Srinivasan
   Harvard University, USA

3. Planning transit system for Indian cities: Opportunities and challenges
   Dr. Aruna Jana
   Indian Institute for Technology Bombay, India
   Dr. Ronita Barithan
   Indian Institute for Technology Bombay, India

Section II - Finance

4. Railway investment appraisal techniques
   Dr. Milos Stoian Milenkovic
   University of Belgrade, Serbia
   Prof. Ljubomir Srdan Radojevic
   University of Sarajevo, Serbia
   Prof. Nebojša Bojović
   University of Belgrade, Serbia

5. Railway demand forecasting
   Dr. Milos Milenkovic
   University of Belgrade, Serbia
   Prof. Nebojša Bojović
   University of Belgrade, Serbia

   Mr. Satya Sai Kumar Jillella
   Curtin University, Australia
   Dr. Ronita Barithan
   Indian Institute for Technology Bombay, India

7. Analyzing intensity modal choice and competition between High Speed Rail (HSR) and other transport modes in Indian Context
   Dr. Ashish Verma
   Indian Institute of Science, India
   Mr. Varun Ranur
   Indian Institute of Science, India

8. Welfare economic principles of (urban) rail network pricing: First-best and second-best solutions
   Prof. Jesper Schommelpenning
   Ruhr-Universität Bochum, Germany

Section III - Safety

9. Challenges of Railway Safety Risk Assessment and Maintenance Decision
   Prof. Min An
   University of Birmingham, UK
   Beijing Jiaotong University, China

10. Formal Assurance of Signaling Safety: A Railways Perspective
    Pallab Dasgupta
    Indian Institute of Technology Kharagpur, India
    Mr. Mahesh Mangal
    Indian Railways, India

11. Automatic Software Testing Technology for Railway Signaling System
    Dr. Jong-Gyu Hwang
    Korea Railroad Research Institute, Korea
    Hyun-joong Jo
    Korea Railroad Research Institute, Korea

12. Automated Testing: Higher Efficiency and improved quality of testing command, control and signaling systems by automation
    Dr. Michael Meyer zu Hörste
    German Aerospace Center, Germany
    Mr. Lennart Asbach
    German Aerospace Center, Germany

13. Alertness monitoring system for vehicle drivers using physiological signals
    Anwesha Sengupta
    IIT Kharagpur, India
    Mr. Ajeet George
    IIT Kharagpur, India
    Mr. Arun Kumar Dasgupta
    IIT Kharagpur, India
    Mr. Anirban Dasgupta
    IIT Kharagpur, India
    Aruna Chauddari
    IIT Kharagpur, India
    Bikhek Kabli
    IIT Kharagpur, India
    Prof. Aurobinda Routray
    IIT Kharagpur, India

    Prof. Sundaravalli Narayanaswami
    IIM Ahmedabad, India

15 A General Simulation Modelling Framework for Train Timetabling Problem
    Dr. Oğuz Yalçınkaya
    Dokuz Eylul University Engineering, Turkey

16. Intelligent Transportation Systems: The State Of The Art In Railways
    Prof. Sundaravalli Narayanaswami
    IIM Ahmedabad, India

17. Integrated Traffic Management: TMS using Data from Traffic, Asset Conditions, Energy and Emissions
    Dr. Michael Meyer zu Hörste
    German Aerospace Center, Germany
    Dr. Christoph Lackhove
    German Aerospace Center, Germany
    Mr. Thomas Böhm
    German Aerospace Center, Germany

18 Disruption Management in Urban Rail Transit System- A Simulation Based Optimization Approach
    Erfan Hassannayebi
    Tarbiat Modares University, Iran
    Dr. Arman Sajedinejad
    Tarbiat Modares University, Iran
    Mr. Soheil Mardani
    Tarbiat Modares University, Iran

Part IV - Operation

19. Steady State Modeling of Electric Railway Power Supply Systems for Planning and Operation Purposes
    Dr. Pablo Arboleya
    University of Oviedo, Spain

20. Online Condition Monitoring of Traction Motor
    Anik Kumar Samanta
    Experimental Lab, India
    Dr. Anuradha Nalawade
    Experimental Lab, India
    Mr. Devaditya Basu
    Indian Railways Experimental Lab, India
    Prof. Aurobinda Routray
    IIT Kharagpur, India
    Dr. Alok Kantri Deb
    IIT Kharagpur, India

21. Dynamic Analysis of Steering Bogies
    Prof. Anan K. Samantaray
    IIT Kharagpur, India
    Miss Smriti Pradhan
    IIT Kharagpur, India

22. Ventilation and Air Conditioning in Tunnels and Underground Stations
    Dr. Frederic Weymel
    Egis Tunnels, France
    Mr. Christophe Bataud
    Egis Tunnels, France