

1. Record Nr.	UNINA9910452587603321
Autore	Lee John D.
Titolo	Driver distraction and inattention : advances in research and countermeasures / / [edited] by Michael A. Regan, John D. Lee, and Trent W. Victor
Pubbl/distr/stampa	Farnham, Surrey, England ; , : Ashgate, , c2013- [Piscataway, New Jersey] : , : IEEE Xplore, , [2013]
ISBN	0-7680-9582-4 1-317-14788-X 1-315-57815-8 1-317-14787-1 1-283-85966-1 1-4094-2586-X
Edizione	[First edition.]
Descrizione fisica	1 online resource (465 p.)
Collana	Human factors in road and rail transport
Altri autori (Persone)	ReganMichael A LeeJohn D VictorTrent W
Disciplina	363.12/51
Soggetti	Distracted driving Distracted driving - Research Traffic safety Cell phones and traffic accidents Electronic books.
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	List of Figures ix -- List of Tables xiii About the Editors xv -- List of Contributors xvii Foreword xxi -- Acknowledgements xxiii -- Part I: Introduction 1 -- Introduction 3 / Michael A. Regan and John D. Lee -- Part II: Distraction and Inattention - Theory, Philosophy and Definition -- 2 Driven to Distraction and Back Again 9 / Peter A. Hancock -- 3 Attention Selection and Multitasking in Everyday Driving: A Conceptual Model 27 / Johan Engström, Trent Victor and Gustav Markkula -- 4 Driver Distraction and Inattention: A Queuing Theory Approach 55 / John W. Senders -- 5 The Relationship between Driver

Distraction and Mental Workload 63 / Nina Schaap, Richard van der Horst, Bart van Arem and Karel Brookhuis Part III: Visual and Attentional Processes -- 6 How is Driving-Related Attention in Driving with Visual Secondary Tasks Controlled? Evidence for Top-Down Attentional Control 83 / Barbara Metz, Nadja Schoemig and Hans-Peter Krueger -- 7 Proposing a Risk Monitor Model Based on Emotions and Feelings: Exploring the Boundaries of Perception and Learning 103 -- Truls Vaa Part IV: Distraction - Crashes and Crash Risk -- 8 Distraction and Inattention: Top Crash Causes in the USA 123 / Ralph H. Craft and Brian Preslopsky -- 9 Driver Distraction in Commercial Motor Vehicle Operations 141 / Richard J. Hanowski, Rebecca L. Olson, Jeffery S. Hickman and Joseph Bocanegra -- 10 Driver Distraction and Inattention and their Role in Crashes and Safety-Critical Events 157 / Craig P. Gordon and Michael A. Regan -- 11 A Review of Epidemiological Data on the Risks of using a Telephone while Driving 171 / Jean-Louis Martin -- 12 Drivers: Perceptions of Risk linked to Mobile Phone Use while Driving and Implications for the Design of Driver Awareness Campaigns 195 / Corinne Brusque -- Part V: Distraction - Measurement -- 13 Development and Validation of an Ecological Driver Distraction Evaluation Tool 211 / Kristie L. Young, Michael G. Lenne, Jeffery Archer and Amy Williamson -- 14 Oculometric Measures as an Index of Clinical Causes of Driver Drowsiness and Inattention 229 William Torch and Carlos Cardillo Part VI: Distraction - Effects on Driving Performance 15 Driving Whilst Using In-Vehicle Information Systems (IVIS): Benchmarking the Impairment to Alcohol 253 Tony Wynn, John H. Richardson and Alan Stevens 16 Visual Attention in Novice Drivers: A Lack of Situation Awareness 277 Melissa Dickinson, Eugene Chekaluk and Julia Irwin 17 Impact of Mobile Phone Use on Driving Performance: Review of Experimental Literature 293 Marie-Pierre Bruyas Part VII: Distraction Countermeasures 18 Melbourne Drivers: Observed Use of Mobile Phones: Could there be Unintended Consequences of Partial Bans? 313 / Christina M. Rudin-Brown, Kristie L. Young and Michael G. Lenne -- 19 The Driver Distraction Detection Algorithm AttenD 327 / Katja Kircher and Christer Ahlström -- 20 Management of Distraction Risk from Mobile Phones in the UK Rail Industry 349 Toni Luke, Jay Heavisides and Dan Basacik 21 Smart Driving Assistance Systems: Designing and Evaluating Ecological and Conventional Displays 373 / Stewart A. Birrell and Mark S. Young -- 22 Using Road Safety Evidence and "Safety in Design" Approaches to Regulate Driver Distraction from Roadside Advertising 389 / Tim Horberry, Michael A. Regan and Jessica Edquist -- 23 The Impact of Sleepiness on Lane Positioning in Truck Driving 405 / David Sandberg, Mattias Wahde, Anna Anund, Goran Kecklund and Torbjørn Østerstedt -- Part VIII: Conclusions -- 24 Distraction and Inattention: Current Themes and Research Directions 419 / John D. Lee and Michael A. Regan -- Index.

## Sommario/riassunto

It is estimated that, in the United States, around 20 percent of all Police-reported road crashes involve driver distraction as a contributing factor. This figure increases if other forms of inattention are considered. Evidence (reviewed in this volume) suggests that the situation is similar in other countries and that driver distraction and inattention are even more dangerous as contributing factors in crashes than drug and alcohol intoxication. Having a solid evidence-base from which to develop injury countermeasures is a cornerstone of road-safety management. This book adds to the accumulating evidence-base on driver distraction and inattention. With 24 chapters by 52 authors from more than 10 countries, it provides important new perspectives on the definition and meaning of driver distraction and inattention, the

mechanisms that characterize them, the measurement of their effects, strategies for mitigating their effects, and recommendations for further research. The goal of this book is to inspire further research and countermeasure development to prevent and mitigate the potentially adverse effects of driver distraction and driver inattention, and, in doing so, to save lives.

2. Record Nr.	UNINA9911031573203321
Autore	Olinic Ernest
Titolo	The 4th Romanian Conference on Geosynthetics — GeoSint 2025 : Celebrating 35 Years since the Founding of the Romanian Association on Geosynthetics / / edited by Ernest Olinic
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-032-02849-3
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (207 pages)
Collana	Springer Proceedings in Materials, , 2662-317X ; ; 93
Disciplina	620.1
Soggetti	Building materials Engineering geology Surfaces (Technology) Thin films Soft condensed matter Materials Catalysis Force and energy Structural Materials Geoengineering Surfaces, Interfaces and Thin Film Soft and Granular Matter Materials for Energy and Catalysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	The history of the use of geosynthetic materials in Romania, reected

in technical publications -- Effect of Geotextile Reinforcement on Corrugated Steel Culvert Behavior During Construction -- Assessment of the long term behavior of geotextiles used for the reinforcement and stabilization of high slopes along the Danube-Black Sea Canal -- Quantitative Assessment of Soil Erosion on Slopes Protected by Geomats Under Rainfall Simulation Tests -- First Geofoam Roadway Embankment Application in Romania: A Case Study -- Thermal Effect of Embankment Outer Layers on the Ethylene Copolymer Bitumen Geomembrane of the Ajdabiya Reservoir -- EPDM geomembrane design for anaerobic fermentation tanks, a large deformation approach -- Innovative Dewatering Solutions for Environmental Dredging: Case Study of O Burgo Estuary, Spain -- Assessing Seismic Impact on Reinforced Earth Retaining Walls Using the MCR Calculation Method -- Slope stabilisation by geosynthetics reinforced soil retaining walls. Numerical validation of proposed using analytical methods -- Improving the characteristics of the foundation soil and controlling the differential settlement of high embankments by using Cellular Foundation Mattresses made of geosynthetic materials -- Laboratory experiments of sandy slopes reinforced by synthetic bers under seepage conditions -- Lateral swelling failure of unreinforced crushed stone columns and reduction of this phenomenon by geogrid reinforcement. Numerical analysis performed with the FEM -- The use of Geosynthetic Materails for Irrigation Canals: Applications and Benefits for Water Loss Reduction -- Full-Scale Tracking Tests Of Pavements Stabilized With Multi-Shape Coextruded Geogrids -- Evaluation of Cyclic CBR Test for Soils Reinforced with Geosynthetics.

---

#### Sommario/riassunto

This book covers the recent activity of the Romanian Geosynthetics Association which organised three editions of the national symposium GeoSint, in 1998, 2002, and 2007. Continuing in the tradition of previous symposiums, the tradition of this conference is being resumed, this time in a format specific to current times. The Romanian Geosynthetics Association was founded in 1990, the fourth edition of the Romanian Conference on Geosynthetics marking 35 years since its foundation. It was certainly an event with an international opening with 180 participants from 18 countries. The conference was organized in two days (3–4 April 2025) in which published works and six keynote lectures were presented. The scientific committee of the symposium was an international one, made up of specialists in the field.

---