



Handbook of Driving Simulation for Engineering, Medicine, and Psychology (Fisher, Handbook of Driving Simulation for Engineering, Medicine, and Psychology)

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Effective use of driving simulators requires considerable technical and methodological skill along with considerable background knowledge. Acquiring the requisite knowledge and skills can be extraordinarily time consuming, yet there has been no single convenient and comprehensive source of information on the driving simulation research being conducted around the world. A how-to-do-it resource for researchers and professionals, **Handbook of Driving Simulation for Engineering, Medicine, and Psychology** brings together discussions of technical issues in driving simulation with broad areas in which driving simulation is now playing a role.

The chapters explore technical considerations, methodological issues, special and impaired populations, evaluation of in-vehicle and nomadic devices, and infrastructure evaluations. It examines hardware and software selection, visual database and scenario development, independent subject variables and dependent vehicle, environmental, and psychological variables, statistical and biostatistical analysis, different types of drivers, existing and future key-in vehicle devices, and validation of research.

A compilation of the research from more than 100 of the world's top thinkers and practitioners, the book covers basic and advanced technical topics and provides a comprehensive review of the issues related to driving simulation. It describes literally hundreds of different simulation scenarios, provides color photographs of those scenarios, and makes available select videos of the scenarios on an accompanying web site, all of which should prove essential for seasoned researchers and for individuals new to driving simulation.

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- Sales Rank: #2371387 in Books
- Published on: 2011-04-25
- Original language: English
- Number of items: 1
- Dimensions: 11.10" h x 1.60" w x 8.50" l, 4.15 pounds
- Binding: Hardcover
- 752 pages

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Review

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?International Journal of Acoustics and Vibration, 2014

About the Author

Robert Glass Cleland (1885-1957) was the author or editor of numerous books dealing with the history of California and Mexico.

Juanita Brooks (1898-1989) wrote extensively about the Mormon settlement and development of Utah. Her best-known book, "The Mountain Meadows Massacre", is today the standard authority on that great tragedy.

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