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Nota di contenuto

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Chapter 9: Psychological Fidelity: Perception of Risk

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Chapter 27: Profiles in Cell Phone-Induced Driver Distraction

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Chapter 36: Design and Evaluation of Signs and Pavement Markings Using Driving Simulators

Chapter 37: Advanced Guide Signs and Behavioral Decision Theory; Chapter 38: Driving Simulation Design and Evaluation of Highway-Railway Grade and Transit Crossings; Chapter 39: Roadway Visualization; Chapter 40: Advanced Warning Technologies: Collision, Intersection Incursion; Chapter 41: Adaptive Behavior in the Simulator: Implications for Active Safety System Evaluation; Chapter 42: Cognitive Architectures for Modeling Driver Behavior

Chapter 43: Combining Perception, Action, Intention, and Value: A Control Theoretic Approach to Driving Performance

Sommario/riassunto

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 b