

Advances in Human Aspects of Transportation: Proceedings of the AHFE 2018 International Conference on Human Factors in Transportation, July 21-25, 2018, Loews Sapphire Falls Resort at Universal Studios, Orlando, Florida, USA

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Abstrak

This book discusses the latest advances in research and development, design, operation and analysis of transportation systems and their complementary infrastructures. It reports on both theories and case studies on road and rail, aviation and maritime transportation. Further, it covers a wealth of topics, from accident analysis, vehicle intelligent control, and human-error and safety issues to next-generation transportation systems, model-based design methods, simulation and training techniques, and many more. A special emphasis is placed on smart technologies and automation in transport, and on the user-centered, ergonomic and sustainable design of transport systems. The book, which is based on the AHFE 2018 International Conference on Human Factors in Transportation, held in Orlando, Florida, USA on July 21–25, 2018, mainly addresses the needs of transportation system designers, industrial designers, human–computer interaction researchers, civil and control engineers, as well as vehicle system engineers. Moreover, it represents a timely source of information for transportation policy-makers and social scientists whose work involves traffic safety, management, and sustainability issues in transport.