



## Advances in Applied Human Modeling and Simulation

By Vincent G. Duffy

Taylor & Francis Inc. Hardback. Book Condition: new. BRAND NEW, Advances in Applied Human Modeling and Simulation, Vincent G. Duffy, An examination of the various types of human-modeled technology, Advances in Applied Human Modeling and Simulation not only covers the type of models available, but how they can be applied to solve specific problems. These models provide a representation of some human aspects that can be inserted into simulations or virtual environments and facilitate prediction of safety, satisfaction, usability, performance, and sustainability. Topics include: \* Anthropometry and human functional data \* Biomechanics, occupational safety, comfort and discomfort \* Biometric authentications \* Driving safety and human performance \* Enhancing human capabilities through aids or training \* Fuzzy systems and neural computing \* Human behavior and risk assessment modeling \* Integrating software with humans and systems \* International cooperation in education and engineering research \* Intelligent agents in decision training \* Intelligent data and text mining \* Machine learning and human factors \* Modeling physical aspects of work \* Monitoring systems and human decision \* Psychophysiological indicators of emotion \* Resilience engineering and human reliability \* Scenario-based performance in distributed enterprises \* Special populations \* Sustainability, earth sciences and engineering \* System-of-systems...



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