



Wojciech Cellary, Krzysztof Walczak (Eds.)

Interactive 3D Multimedia Content

Models for Creation, Management, Search and Presentation

- Presentation of research results related to different, but complementary aspects of modelling 3D content and applications
- Ready to use solutions for most important design problems in the field
- Examples of real-life applications illustrating the use of each of the proposed solutions
- Illustrations presenting each of the described applications
- Numerous references to other research works in particular fields

The book describes recent research results in the areas of modelling, creation, management and presentation of interactive 3D multimedia content. The book describes the current state of the art in the field and identifies the most important research and design issues. Consecutive chapters address these issues. These are: database modelling of 3D content, security in 3D environments, describing interactivity of content, searching content, visualization of search results, modelling mixed reality content, and efficient creation of interactive 3D content. Each chapter is illustrated with example applications based on the proposed approach. The final chapter discusses some important ethical issues related to the widespread use of virtual environments in everyday life. The book provides ready to use solutions for many important problems related to the creation of interactive 3D multimedia applications and will be a primary reading for researchers and developers working in this domain.

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