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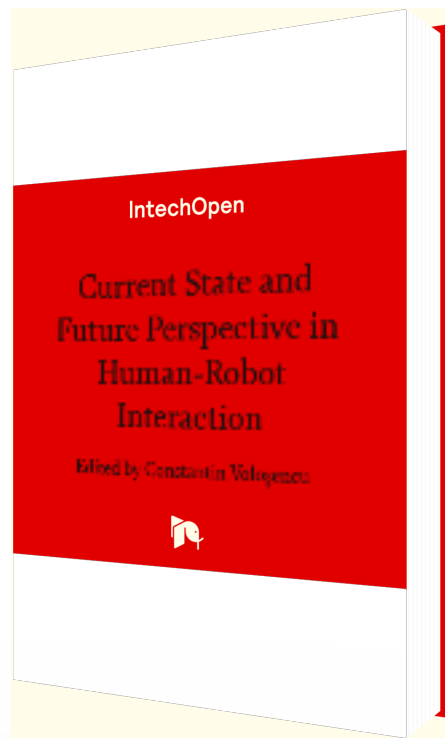
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 OPEN ACCESS PEER-REVIEWED EDITED VOLUME

Current State and Future Perspective in Human-Robot Interaction

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**BOOK METRICS OVERVIEW**

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Romania

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This book addresses the modern field of human-robot interaction, reviewing the field's cur



state and providing research studies with future perspectives. The book has ten chapters, which cover several topics such as social robots that come to the aid of the elderly through gerontechnology, helping families with children through child-robot interaction, and robots in human households; the issue of mobile robots that move and interact with humans; technologies for robot design; emotional engagement in learning environments, detecting danger and emotions of human subjects in terrorist attack situations; machine ethic issues in artificial intelligence-based robots; and medical robots for assessment, treatment, and rehabilitation of patients diagnosed with neurodegenerative disorders. The book highlights the powerful capabilities of modern robots, including their efficiency demonstrated practically in the case of safe operation, but also draws attention to possible undesirable operations on which science must have its say. It also emphasizes the robot's ability to interact with humans, the need to simplify interaction and the advanced methods to enhance the human-robot interaction. The book is intended for a broad audience, including academics and industrial specialists, such as professors, researchers, designers, and students.

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