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Virtual Assistant

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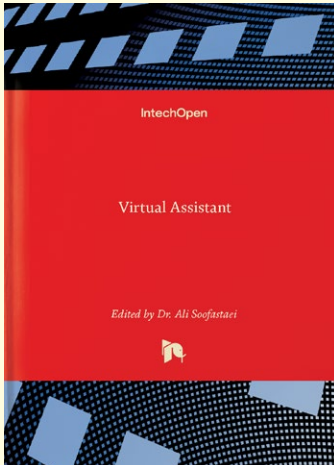
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About the book

The book aims to provide practical help for researchers and industry specialists who are interested in using the new science and technology to improve their knowledge and experience in the field of intelligent virtual assistant (IVA). An IVA is a software agent that can perform tasks or services for an individual based on commands or questions. Some virtual assistants can interpret human speech and respond via synthesized voices. Users can ask their questions from an IVA, control home automation devices and media playback via voice, and manage other basic tasks such as e-mail, to-do lists, and calendars with verbal commands. IVAs work via text, including online chat, SMS Text, e-mail, or another text-based communication channel; Voice; and Image processing. Virtual assistants use natural language processing (NLP) to match user text or voice input to executable commands. Many continually learn using artificial intelligence techniques, including machine learning. The applications of IVAs are growing very fast, and the Objective of the book is to provide a concise overview of the state of the art of IVA for industrial researchers. They will value a book that helps them position the emerging capabilities of IVA in their businesses and provide an assessment of where and how these new capabilities can help to optimize the end to end operations of their enterprises.

Topics and Keywords

Book Topic 1: *The application of intelligent virtual assistant to improve health and safety*

Book Topic 1 Keywords: *Intelligent virtual assistant, Artificial Intelligence, Improvement, Health and Safety*

Book Topic 2: *The application of personal virtual assistant for planning*

Book Topic 2 Keywords: *Personal virtual assistant, Artificial Intelligence, Improvement, Personal Planning*

Book Topic 3: *Using natural language processing (NLP) to develop virtual assistants*

Book Topic 3 Keywords: *Virtual assistants, Artificial Intelligence, Natural language processing, Learning algorithms*

Book Topic 4: *Using image processing methods to develop virtual assistants*

Book Topic 4 Keywords: *Image processing, Virtual assistants, Artificial Intelligence, Deep learning algorithms*

Book Topic 5: *Virtual assistants and applicants' privacy*

Book Topic 5 Keywords: *Virtual assistants, Artificial Intelligence, Privacy, Deep learning algorithms*

Book Topic 6: *Virtual assistants and ethical implications*

Book Topic 6 Keywords: *Virtual assistants, Artificial Intelligence, Ethics, Deep learning algorithms*

Selected Book Keywords

Intelligent virtual assistant, Artificial Intelligence, Personal virtual assistant, Personal Planning, Natural language processing, Learning algorithms, Image processing, Deep learning algorithms, Virtual assistants, Privacy, Improvement, Ethics

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