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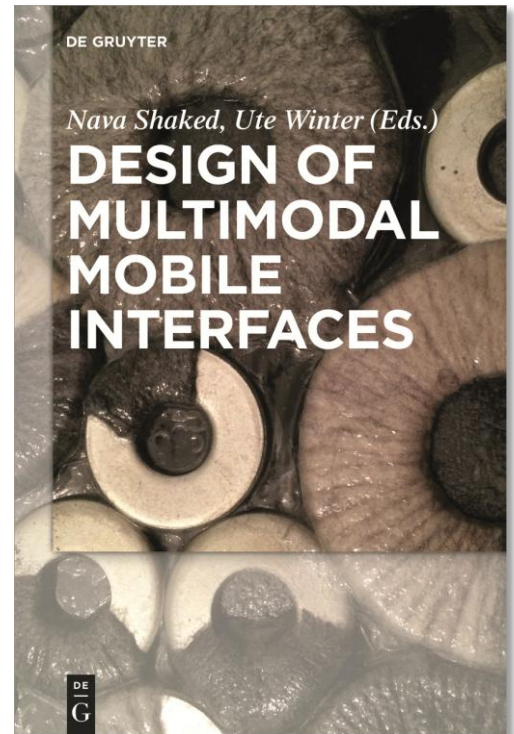
DESIGN OF MULTIMODAL MOBILE INTERFACES

Design of Multimodal Mobile Interfaces discusses the fast developing new world of mobile multimodality, focusing on innovative technologies and design to create state-of-the-art user interfaces. It examines practical challenges entailed in meeting commercial deployment goals and offers new approaches to interface design. The "smart mobile" has become a powerful tool enabling us to perform multiple tasks. The user plays an important role in the mode of operation, so multimodal interaction provides the user with new complex multiple modalities of interfacing such as: speech, touch, type, gesture and more. This book addresses the challenge of designing multimodal interfaces for mobile devices in a synergetic fashion that will not burden the user or create a technological overload. Each chapter addresses a different area of application: automotive, wearables, avatars & virtual agents. In addition it addresses expert modules such as NLP, Omni-channel, information classification & organization, and personalization modules.

- Discusses central questions concerning usability, concepts and complexity of mobile multimodality.
- Highlights current challenges and developments in multimodal interface technologies.
- Integrates various perspectives on technology, including future user and designer concerns and requirements.

From the contents

Introduction to the evolution of Mobile Multimodality | Integrating natural language resources in mobile applications | Omnichannel Natural Language | Wearable computing | Spoken dialog systems adaptation for domains and for users | The use of multimodality in Avatars and Virtual Agents | Managing interaction with an in-car infotainment system | Towards objective method in display design | Classification and organization of information



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