

BOOK REVIEW

An Expressive Conversational-Behavior Generation Model for Advanced Interaction within Multimodal User Interfaces

Authors: Matej Rojc and Izidor Mlakar (Researcher, Panevropa d.o.o., Maribor, Slovenia and others)

This book addresses the complex problem of generating co-verbal behavior based on non-annotated plain text. The backbone of the book is the comprehensive framework called EVA, developed by the author, comprising a number of systems including annotation scheme and tools, an annotated multimodal corpus, repository of virtual agents' motor skills and their implementation, gesture lexicon with semiotic grammar, mechanisms for generating co-verbal behavior integrated with TTS modules and a web-oriented platform for co-verbal behavior generation.

While presenting the EVA framework, the book gives the overview of the wider background including methods and frameworks for realizing co-verbal behavior, annotation schemes and systems, defining motoric capabilities of virtual agents and mechanisms for their realization, synthesis of emotion and other topics.

The book can serve as a comprehensive reference for any researcher in the field of conversational agents.

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