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### Speech Planning and Dynamics

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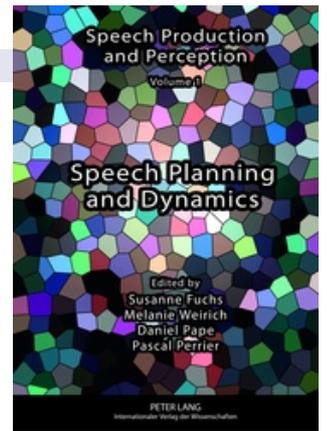
Speech Production and Perception. Vol. 1

Edited by Susanne Fuchs and Pascal Perrier

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### Book synopsis

What do we do when we are about to utter speech? On which linguistic units do we rely? How do these units evolve from childhood to adulthood, or across time for a given language? How do we assemble these units under the influences of syntactic, phonological and prosodic rules? Do we plan the whole sequence at once? Do we plan the movements of the tongue, jaw, and lips underlying speech in the same way that we plan other movements? What tools have scientists developed to investigate these questions using observation of articulatory and acoustic signals? This book addresses these issues in eight chapters. Written by specialists in the field, these chapters provide the readers with a large overview of the literature, and illustrate the research challenges using selected examples of experimental studies.

### Contents

Contents: Pierre Hallé/Alejandrina Cristia: Global and detailed speech representations in early language acquisition - Jonathan Harrington/Felicitas Kleber/Ulrich Reubold: The production and perception of coarticulation in two types of sound changes in progress - Marianne Pouplier: The gestural approach to syllable structure: Universal, language- and cluster-specific aspects - Linda Wheeldon: Producing spoken sentences: The scope of incremental planning - Sam Tilsen: Utterance preparation and stress clash: Planning prosodic alternations - Jelena Krivokapic: Prosodic planning in speech production - Pascal Perrier: Gesture planning integrating knowledge of the motor plant's dynamics: A literature review from motor control and speech motor control - Leonardo Lancia/Mark Tiede: A survey of methods for the analysis of the temporal evolution of speech articulator trajectories.

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