



The Cognitive Neuroscience of Second Language Acquisition



THE LANGUAGE LEARNING-MAX PLANCK INSTITUTE FOR
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The Cognitive Neuroscience Of Second Language Acquisition

Zoltan Dornyei



The Cognitive Neuroscience Of Second Language Acquisition:

The Cognitive Neuroscience of Second Language Acquisition Marianne Gullberg, Peter Indefrey, 2006-08-11 This volume explores the cognitive neuroscience of second language acquisition from the perspectives of critical sensitive periods maturational effects individual differences neural regions involved and processing characteristics The research methods used include functional magnetic resonance imaging fMRI positron emission tomography PET and event related potentials ERP The studies in this volume provide initial answers to core questions including which brain areas are reliably activated in second language processing Are they the same or different from those activated in first language acquisition and use And what are the behavioral consequences of individual differences among brains

The Routledge Handbook of Second Language Acquisition and Neurolinguistics Kara Morgan-Short, Janet G. van Hell, 2023-12-22 The Routledge Handbook of Second Language Acquisition and Neurolinguistics provides a comprehensive discussion of a wide range of neurocognitive and neurobiological scientific research about learning second or additional languages It is a one of a kind centralized resource that brings together research that is typically found in disperse publication venues Eminent global scholars from various disciplines synthesize and cross fertilize current and past neural research about second language through systematic in depth and timely chapters that discuss core issues for understanding the neurocognition of second language learning representation and processing Handbook sections provide overviews of extant and emerging neuroscience methods syntheses of neurocognitive research on second language syntax morphosyntax lexicon phonology and pragmatics and up to date descriptions of theoretical approaches of the neural basis of second language learning The volume provides additional sections that synthesize research on a variety of topics including factors that affect the neurocognition of second language the neural mechanisms underlying second language learning individual differences in the neurocognition of second language as well as research on understudied languages and populations such as sign language child second language learners and individuals with aphasia This handbook will be an indispensable resource to scholars and students across a wide range of disciplines including those interested in second language acquisition applied linguistics cognitive science psychology neuroscience and research methodology It should facilitate transformative connections between ideas and disciplines and lead to informative and productive paths for future research

Mind and Context in Adult Second Language Acquisition Cristina Sanz, 2005-11-02 How do people learn nonnative languages Is there one part or function of our brains solely dedicated to language processing or do we apply our general information processing abilities when learning a new language In this book an interdisciplinary collaboration of scholars and researchers presents an overview of the latter approach to adult second language acquisition and brings together for the first time a comprehensive picture of the latest research on this subject Clearly organized into four distinct but integrated parts Mind and Context in Adult Second Language Acquisition first provides an introduction to information processing approaches and the tools for students to understand the

data The next sections explain factors that affect language learning both internal attention and awareness individual differences and the neural bases of language acquisition and external input interaction and pedagogical interventions It concludes by looking at two pedagogical applications processing instruction and content based instruction This important and timely volume is a must read for students of language learning second language acquisition and linguists who want to better understand the information processing approaches to learning a non primary language This book will also be of immense interest to language scholars program directors teachers and administrators in both second language acquisition and cognitive psychology

The Cognitive Neuroscience of Bilingualism John W. Schwieter, Julia Festman, 2023-10-19 An introduction to bilingualism from the perspective of neuroscience cognitive psychology and psycholinguistics

The Psychology of Second Language Acquisition Zoltan Dornyei, 2013-01-10 The Psychology of Second Language Acquisition offers a systematic and accessible overview of the main psychological areas and theories in order to keep abreast of the ongoing paradigm shift

The Cognitive Neuroscience of Second Language Acquisition, 2006

The Neurobiology of Learning John H. Schumann, Sheila E. Crowell, Nancy E. Jones, Namhee Lee, Sara Ann Schuchert, 2014-04-04 This book constitutes a timely contribution to the existing literature by presenting a relatively comprehensive neurobiological account of certain aspects of second language acquisition It represents the collaborative efforts of members of the Neurobiology of Language Research Group in the Applied Linguistics and TESL Department at UCLA Members of the group are trained in neurobiology and then use this knowledge to develop biological accounts of various aspects of applied linguistics The volume avoids the corticocentric bias that characterizes many brain language publications both cortical and subcortical structures receive their appropriate attention In addition it demonstrates that enough is presently known about the brain to inform our conceptualizations of how humans acquire second languages thus it provides a refreshingly novel highly integrative contribution to the second language acquisition literature The goal of the research program was based on the need to draw more links between the neurobiological mechanisms and second language acquisition As such the book promotes a neurobiology of language that starts with the brain and moves to behavior The fundamental insights presented should guide second language acquisition researchers for years to come

The Handbook of Second Language Acquisition Catherine J. Doughty, Michael H. Long, 2008-04-15 The Handbook of Second Language Acquisition presents an integrated discussion of key and sometimes controversial issues in second language acquisition research Discusses the biological and cognitive underpinnings of SLA mechanisms processes and constraints on SLA the level of ultimate attainment research methods and the status of SLA as a cognitive science Includes contributions from twenty seven of the world's leading scholars Provides an invaluable resource for all students and scholars of human cognition including those in linguistics psychology applied linguistics ESL foreign languages and cognitive science

Discontinuity in Second Language Acquisition Stefano Rastelli, 2014 With a focus on the morphosyntactic features of second language this book discusses the idea that

language acquisition is a discontinuous and quantized process due to the existence of two different albeit interconnected ways of learning Statistical Learning and Grammatical Learning It describes how the switch between ways of learning could take place and its developmental implications for adult SLA *Second Language Acquisition* Christine Savvidou, 2020-07-29

This volume presents a collection of current research on pedagogies practices and perspectives in the field of second language acquisition It brings together different aspects of learning teaching and researching a second language with chapters covering a range of topics from emotional communication pragmatic competence transformative pedagogy inclusion reflective teaching and innovative research methodologies The authors address a global audience to offer insights into contemporary theories research policies and practices in second language acquisition This collection of work is aimed at students teachers and researchers wishing to reflect on current developments and identify potential research directions

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