

*The Handbook of*  
**Clinical  
Linguistics**

*Second Edition*



*Edited by*  
**Martin J. Ball, Nicole Müller,  
and Elizabeth Spencer**

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# The Handbook of Clinical Linguistics

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**Elena Even-Simkin**, PhD, is a psycholinguist, behavioral analyst in psychiatry, and diagnostician with a background in neuroscience. She holds positions at SCE, Sharnon College of Engineering, and Bar-Ilan University. She is a member of the Brain and Language Lab at Bar-Ilan University, a fellow of the Columbia School Linguistics Society (CSLS) and a fellow of the Autism Research Community in the National Center for Autism and Neurodevelopment Research. She is the author of scientific publications, including academic articles, book chapters, books, and encyclopedic entries in the fields of linguistics, discourse and text analysis, semiotics, language disorders, language acquisition, and development in neurotypical individuals and children, adolescents, and adults with learning disabilities and neurodevelopmental disorders.

**Alison Ferguson**, PhD, was, prior to her retirement, Professor of Speech Pathology at University of Newcastle, Australia. Her research explored the applications of sociolinguistic analyses to the assessment and treatment of communication disorders. Her published research demonstrated the application of Conversation Analysis to working with partners of people with aphasia (an acquired language disorder). Systemic Functional Linguistics proved to be a rich resource to illuminate the role of supervisor feedback in speech pathology education, as well as to explore the use of metaphor by people with aphasia and their partners in their talk about their goals for rehabilitation.

**Francesca Foppolo** is Associate Professor of Linguistics and Psycholinguistics in the Department of Psychology of the University of Milan-Bicocca, Italy. She is a member of the advisory board of the international network Bilingualism Matters based in Edinburgh (UK) and participated in several European funded research networks. She is currently Associate Editors of *Applied Psycholinguistics*, Cambridge University Press. Her research focuses on language processing in typically and atypically developing children, bilinguals, and adults by means of off-line and on-line techniques, particularly eye-tracking in visual context and reading.

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**Solène Hameau** is a lecturer in Speech Pathology at the Catholic University of Louvain-La-Neuve (BE). She began her career as a clinical speech pathologist in France before moving to research. She holds a Masters in Linguistics from the University of Toulouse (FR) and a PhD in Cognitive Science from Macquarie University, where she currently has an additional research position. She is interested in factors affecting word production in different populations (monolinguals and bilinguals with and without aphasia), with a focus on how the similarity of words in the lexicon(s) of a speaker influence language processing.

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**Alison Holm** is an associate professor of speech pathology at the University of Tasmania in Australia. She has previously worked in Queensland (Australia) and the United Kingdom. Alison is an associate editor of the *International Journal of Speech Language Pathology*. She has published widely in speech sound disorders, and language and literacy acquisition and disorders, particularly for multilingual children. Alison is one of the authors of the *Diagnostic Evaluation of Articulation and Phonology* (DEAP) a widely used speech pathology clinical assessment.

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**Jan de Jong** is an Associate Professor in the logopedics master program at the University of Bergen (Norway). Before that, he worked in linguistics departments at the universities of Groningen, Utrecht and Amsterdam (The Netherlands). He has wide experience in teaching typical and atypical language acquisition, at the graduate and undergraduate level. His research primarily concerns the grammatical aspects of developmental language disorder, also in a bilingual context. He was the vice chair of the European COST Action “Language Impairment in a Multilingual Society; Linguistic Patterns and the Road to Assessment.”

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**John Local** is Emeritus Professor of Phonetics and Linguistics at the University of York. His research over the past 40 years has engaged with non-segmental phonology and phonetic interpretation, speech synthesis, and, latterly, phonetics and talk-in-interaction. This work developed out of a close study of Firthian Prosodic Analysis (FPA) and an attempt to elaborate an impressionistic parametric phonetics supported by instrumental findings. Some of the results of this research, conducted with his colleague John Kelly, were presented in their book, *Doing Phonology* (Manchester University Press, 1989). In recent years he has worked on phonetic variability in the “liquid” system of English and the phonetic and interactional features of attitude in everyday conversation (supported by grants from the Economic and

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**Karen E. Pollock** is a Professor in the Department of Communication Sciences and Disorders at the University of Alberta in Edmonton, Canada, where she teaches speech sound disorders and supervises graduate student research. She is a certified/registered speech-language pathologist and previously held academic and clinical positions in the US. She has co-edited four books and published and presented research on the development of vowels in children with and without speech sound disorders and speech-language development in children adopted internationally. Her current research explores speech development in young Canadian children learning Mandarin Chinese as a heritage language or minority second language in bilingual schools.

**Francesco Possemato** completed his PhD at the University of Sydney (2018). By using the methods of Conversation Analysis and Interactional Linguistics, his research addresses language and social interaction in a variety of contexts. Francesco has worked on the *Conversational Interaction in Aboriginal and Remote Australia* (CIARA) project (Macquarie University-University of Melbourne-University of Queensland), and is currently a Postdoctoral Associate in the Communication and Assistive Device Laboratory (CADL) – Department of Communicative Disorders and Science (State University of New York (SUNY) at Buffalo). Francesco is Honorary Research Fellow at Macquarie University, where he is also the co-investigator for the *Aphasia, correction, and micro-collaboration* project (Macquarie University) addressing interactions involving people with aphasia. Francesco is also the external investigator for the *Students' flourishing through Italian classroom interaction* project (La Trobe University). While in Sydney he was the coordinator for the Conversation Analysis in Sydney (CAIS) group – Australasian Institute of Ethnomethodology and Conversation Analysis (AIEMCA). Francesco has published on Italian L2 teaching, atypical interaction, and pragmatic typology.

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**Theresa Schölderle**, PhD, is an academic speech-language-therapist. Currently, she has a postdoctoral position at the Clinical Neuropsychology Research Group (EKN) at the Institute of Phonetics and Speech Processing, Ludwig Maximilian University, Munich, Germany. Her research focus is on dysarthrias acquired early in life (e.g., in children and adults with cerebral palsy).

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**Joseph Stemberger**, PhD, is Professor Emeritus of Linguistics at the University of British Columbia. He is primarily interested in phonology, morphology, and their interaction. Most of his research is in adult psycholinguistics and in first language acquisition and investigates the nature of cognitive representations. He is also involved in a study of first language acquisition by monolingual Zapotec-learning children in Mexico, and a similar study on Slovene. His theoretical orientations are toward Optimality Theory, and toward connectionist models.

His current research tends to focus on the degree to which phonological and morphological information is concentrated in particular lexical items vs. the degree to which lexical processing is supplemented with system-general information. Other languages he has worked on include Choctaw, Cambodian, and Ojibwe, and Seri and German (collaborating with other scholars).

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**Austin Thompson** is an assistant professor at the University of Houston. Prior to his current appointment, Austin earned his PhD at Florida State University. His research focuses on motor control of speech production in speakers with and without dysarthria, instrumental analysis of speech using acoustic and kinematic methods, and linguistic influences on speech production in bilingual or multilingual speakers. Additionally, he is a licensed and certified speech-language pathologist with a clinical interest in diagnosing and treating speech deficits in individuals with dysarthria secondary to neurodegenerative diseases like Parkinson's disease and amyotrophic lateral sclerosis.

**Mark Tiede**, PhD, is a phonetician specializing in speech production and instrumental methods for studying it. He earned a doctorate in Linguistics from Yale, and has been part of the ATR Human Information Processing Laboratory (Kyoto) and MIT-RLE Speech Communication groups. Currently he is associated with Haskins Laboratories and the Brain Function Laboratory in the Yale Dept. of Psychiatry. His current research interests are focused on identifying characteristic patterns of speech articulatory movements as they evolve under changes in rate and prosodic influence.

**Martha Tyrone** is an Associate Professor in the Speech-Language Pathology program at Gallaudet University. For 15 years, she was a Senior Research Scientist at Haskins Laboratories, where she was awarded multiple research grants from the National Institutes of Health. Her research deals with the relationship between motor control, language, and communication in clinical and non-clinical populations. She uses instrumented techniques, such as motion capture and electromagnetic articulography, to examine the structure of speech, gesture, and sign language in deaf and hearing adults. Dr Tyrone teaches courses on Speech Science, Research Methods, Neuroanatomy, and Motor Speech Disorders.

**Traci Walker** is a Senior Lecturer in the Department of Human Communication Sciences, University of Sheffield. Her research uses the methodology of Conversation Analysis (CA) to investigate the function and use of linguistic structures (both syntactic and phonetic) in both typical and atypical communication. She has published on topics including repetition

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**Jocelynn Watson** is visiting professor at the University of St Mark and St John, Plymouth having previously held the positions of Senior Lecturer and Clinical Director for the Speech and Hearing Sciences Department at Queen Margaret University, Edinburgh. Jocelynn has a particular interest in developmental Speech Sound Disorder and its implications for literacy development. Jocelynn's publications focus on etiology, vowel disorder, assessment, and treatment. She is co-author of two speech assessment tools: PPSA (Phonetic and Phonological Systems Analysis) and CAV-ES (Clinical Assessment of Vowels – English Systems).

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**Tim Wharton** is a principal lecturer in linguistics at the University of Brighton, UK. His primary research interest is pragmatics, the study of utterance interpretation. In particular, his research explores how "natural," non-linguistic behaviors – tone of voice, facial expressions, gesture – interact with the linguistic properties of utterances (broadly speaking, the words we say). His main theses are outlined in his 2009 book, *Pragmatics and Non-Verbal Communication*, which charts a point of contact between pragmatics, linguistics, philosophy, cognitive science, ethology, and psychology, and his latest book – *Pragmatics and Emotion* – (with Louis de Saussure) published by CUP in 2023. He edited the recent John Benjamins volume "Beyond meaning" and has published papers on pragmatics and related subjects (and sometimes unrelated subjects) in numerous international journals.

**Ray Wilkinson** is Professor of Human Communication at the University of Sheffield. He uses conversation analysis to study social interaction, in particular the use of talk within social interaction. His research includes the study of communication disorders such as

aphasia, dementia and stammering and their impact on conversation, and he has recently co-edited (with John Rae and Gitte Rasmussen) *Atypical Interaction: The Impact of Communicative Impairments within Everyday Talk* (2020, Palgrave Macmillan). He has also published on typical conversation, conversation involving second-language speakers, conversation involving children, and on the social interaction of non-human primates. In addition he has developed, implemented and evaluated intervention programs to improve conversation.

**Maximiliano A. Wilson** is full professor at the speech-language pathology program of Université Laval. He is also researcher at the Cirris Research Centre on interdisciplinary rehabilitation and social integration in Quebec City, Canada. His research focuses on the changes in the brain that occur in normal and pathological ageing (neurodegenerative diseases) to sustain language processing, specifically reading and semantics. He combines the study of behavior with brain scan imagery techniques such as magnetic resonance and evoked responses by electroencephalography.

**Eva Wimmer** is a senior researcher and lecturer in the research unit Language and Communication of the Department of Rehabilitation Sciences at TU Dortmund University, Germany. After receiving her PhD in linguistics in 2009, she previously worked at the German universities of Düsseldorf, Bremen, and Cologne in the areas of psycholinguistics and special needs education. From 2018–2019, she was an interim professor for Special Education and Rehabilitation of Speech and Language Disabilities at the University of Cologne. Her research focus is on the study of individuals with acquired or developmental language disorders with a specific interest in the acquisition of syntax and morphology in children with developmental language disorder (DLD), Down syndrome and hearing impairment.

**Jan Wouters** is full professor at the Department of Neurosciences of the University of Leuven, Belgium. The core of his research focuses on audiology, auditory neural processing, hearing aids and hearing implants, building bridges between technology, neuroscience, perception, and medicine. He is (co)author of about 370 articles in international peer-reviewed journals and teaches four major physics and audiology courses at KU Leuven. He served in the executive board of ICRA, EFAS, and is president of the Belgian Audiology Society B-Audio. He is an honorary fellow of the Deutsche Gesellschaft für Audiologie (DGA) and received the Lifetime Achievement Award of the European Federation of Audiology Societies (EFAS).

**Alison Wray** is a Research Professor of Language and Communication at Cardiff University, UK. Her research has focused on modelling the forms and functions of formulaic language in normal and disordered language and in second language acquisition, with further applications to the evolution of language. She has published articles, books, and animated films on the topic of communication in the dementia context, including her award-winning 2020 monograph *The Dynamics of Dementia Communication* and her 2021 book aimed at people with dementia, carers and bystanders, *Why Dementia Makes Communication Difficult: A Guide to Better Outcomes*.

**Mehmet Yavaş** is Professor of Linguistics at Florida International University, USA. He has published numerous articles and books on applied phonology. Among those are his widely read *Applied English Phonology* (4th Edition, 2020), *Romance-Germanic Bilingual Phonology* (2017), *Unusual Productions in Phonology: Universals and Language-Specific Considerations* (2015), *Phonology: Development and Disorders* (1998), *First and Second Language Phonology* (1994), *Phonological Disorders in Children: Theory, Research and Practice* (1981), and *Avaliação fonológica da criança* (1990), a phonological assessment procedure for Brazilian Portuguese.

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