



**2023 CROSS DISCIPLINARY INNOVATION IN LONG-TERM CARE (CDIL 2023) PRE-CONFERENCE
VIRTUAL SEMINAR: AGING AND LANGUAGE**

TALK

Language in Dementia: Research approaches via DementiaBank

In this talk, Prof. MacWhinney would get into the research approaches from four groups he has been working with:

1. The ADRess Challenge work at Interspeech organized from colleagues at Edinburgh
2. Use of VAS (Alexa) for gathering speech data from people with AD — Xiaohui Liang at UMass Boston
3. Alyssa Lanzi at Delaware who is using the DementiaBank protocol for remote assessment
4. His own work with Houjun Liu and Shinji Watanabe on ASR for transcription of interactions.



Keynote Speaker
Prof. Brian MacWhinney
Carnegie Mellon University



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BIO

Brian MacWhinney is the Teresa Heinz Professor of Cognitive Psychology at Carnegie Mellon University. His work focuses on the modelling of language acquisition and processing within the framework of the Unified Competition Model. This model is designed to account for child language learning, second language learning, and language disorders using a shared set of neuronal mechanisms, as further influenced by social and input forces. To provide data for these studies, he has organized the TalkBank data-exchange system, which is the world's largest repository for open-access data on spoken language. TalkBank includes databases for aphasia, child language, child phonology, autism, CA, dementia, stuttering, TBI, RHD, second language, bilingualism, and classroom discourse in 35 languages. These databases have been used in over 9000 publications. He has authored 341 peer-reviewed publications and served as editor for 6 journals. He has served as Visiting Distinguished Professor in Hong Kong, Denmark, Japan, Taiwan, and Spain, and has received two honorary doctorates and five awards from professional societies.