

# Language and the Shifting Sands of Domain, Space and Time (Invited Talk)

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## Abstract

In this talk, I will first present recent work on domain debiasing in the context of language identification, then discuss a new line of work on language variety analysis in the form of dialect map generation. Finally, I will reflect on the interplay between time and space on language variation, and speculate on how these can be captured in a single model.

## 1 Bio

Tim Baldwin is a Professor in the School of Computing and Information Systems, The University of Melbourne, and Associate Dean (Research Training) within the Melbourne School of Engineering. He is also Director of the ARC Centre for Cognitive Computing in Medical Technologies, in partnership with IBM Research. He has previously held visiting positions at Cambridge University, University of Washington, University of Tokyo, Saarland University, NTT Communication Science Laboratories, and National Institute of Informatics. His primary research focus is on natural language processing (NLP), including social media analytics, computational lexical semantics, deep learning, and topic modelling.

Tim completed a BSc(CS/Maths) and BA(Linguistics/Japanese) at The University of Melbourne in 1995, and an MEng(CS) and PhD(CS) at the Tokyo Institute of Technology in 1998 and 2001, respectively. Prior to joining The University of Melbourne in 2004, he was a Senior Research Engineer at the Center for the Study of Language and Information, Stanford University (2001-2004). He is the author of around 350 peer-reviewed publications across diverse topics in natural language processing.