

Language Underpinnings of Conversational Interpersonal Dynamics (LUCID)

Simone Fuscone, University of Aix-Marseille

28 May 2019

The way participants to a conversation speak depends on the way the other interlocutor behave and on their conversational activities. It is known, that people engaged in a conversation, tend to **converge** in some of these characteristics of speech production. This talk will present the phenomena of convergence in different angles, reporting the previous studies behind this theory ([2], [4]). As earlier literature has established this convergence effect on carefully controlled laboratory data, this presentation will describe some study who try to take into account the dynamic of the phenomena and the mutual interaction of the speakers([1]), by the use of Big corpus ([3]). The last part will be devoted to briefly explain ongoing projects.

References

- [1] Simone Fuscone, Benoit Favre, and Laurent Prevot. Replicating speech rate convergence experiments on the switchboard corpus. In *Workshop on Replicability and Reproducibility of Research Results in Science and Technology of Language*, 2018.
- [2] H. Giles, N. Coupland, and J. Coupland. *Contexts of accommodation: Developments in applied sociolinguistics*, chapter Accommodation theory: Communication, context, and consequence, pages 1–68. Studies in emotion and social interaction. Cambridge University Press, 1991.
- [3] John J Godfrey, Edward C Holliman, and Jane McDaniel. Switchboard: Telephone speech corpus for research and development. In *Acoustics, Speech, and Signal Processing, 1992. ICASSP-92., 1992 IEEE International Conference on*, volume 1, pages 517–520. IEEE, 1992.
- [4] Martin J Pickering and Simon Garrod. Toward a mechanistic psychology of dialogue. *Behavioral and brain sciences*, 27(2):169–190, 2004.