UNIVERSITÉ DE NEUCHÂTEL
Centre de recherche sur les interactions sociales

Creating a language experiment in E-prime: methodological and practical aspects

November 5 – 6, 2019, University of Neuchâtel
Faculty of science (room E003) – Rue Emile Argand 11 – 2000 Neuchâtel – Suisse

A key objective in the fields of social interactions as well as in linguistics, psycholinguistics, psychology and more broadly cognitive sciences, is to verify if theoretical assumptions or empirical observations occur at the population level.

The experimental approach represents one suitable way as it permits to conduct studies in a well-controlled environment (not necessarily a laboratory) where accurate measurements are possible. However, a body of knowledge and skills about sampling techniques, experimental designs and measurements that can be taken (which will determine statistical analyses to perform), etc., are needed in order to build a reliable experiment. In addition, since experimental studies in language often required an accurate timing in stimuli presentation and response collection, it is necessary for researchers to learn how to use experimental software like *E-Prime* to set-up an experiment and collect data.

In this context, the objective of this training is twofold:
1) Provide a general introduction to the experimental method in language in order to give you the essential knowledge and skills to build a suitable experiment.
2) Learn how to use the *E-prime* software and implement different language experiments (in production and perception).
People wishing to schedule a small experiment with their own items can try during the workshop while benefiting from specialist feedback.

Speakers:

- **Dr. Sandra Schwab** (University of Fribourg)
  She works on various topics in the field of speech such as the acquisition of prosody in L2, the perception and production of temporal variables, prosody and regional variations (in French and Spanish), the effect of lack nicotine on speech, lexical segmentation and foreign accents, speech technology and computer linguistics.
- **Dr. Michael Mouthon** (University of Fribourg)
  Engineer in Life Sciences and Technology (EPFL), he provides technical and methodological support in neuroimaging methods including Magnetic Resonance Imagery (MRI), Electroencephalography (EEG) and Transcranial Magnetic Stimulation (TMS). He collaborates regularly to language and cognitive neurosciences researches.

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PROGRAM

Day 1 *(November 5, 2019, Faculty of science (room E003))*:

9 : 00 – 10 : 30	S. SCHWAB, Experimental Method in language (design, variables, etc.,)
10 : 30 – 10 : 45	Coffee break (on site)
10 : 45 – 12 : 15	S. SCHWAB, Experimental Method in language (experiments on language production and perception)
12 : 15 – 13 : 45	Lunch (on site)
13 : 45 – 15 : 00	M. MOUTHON, Introduction to e-prime (how to use it)
15 : 00 – 15 : 15	Coffee break (on site)
15 : 30 – 17 : 00	M. MOUTHON, Introduction to e-prime (how to use it)

Day 2 *(November 6, 2019, Faculty of science (room E003))*:

9 : 00 – 10 : 30	M. MOUTHON, workshop: schedule an experiment on language production
10 : 30 – 10 : 45	Coffee break (on site)
10 : 45 – 12 : 15	M. MOUTHON, workshop: schedule an experiment on language production
12 : 15 – 13 : 45	Lunch (on site)
13 : 45 – 15 : 00	M. MOUTHON, workshop: schedule an experiment on language perception
15 : 00 – 15 : 15	Coffee break (on site)
15 : 30 – 17 : 00	M. MOUTHON, workshop: schedule an experiment on language perception

To register for the training and/or for more information, please contact Sylvia Gonzalez:
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