Lab Equipment

Speech & Phonetic Research

Speech Recording

The speech lab has five acoustically treated recording booths. It is possible to record a participant in each booth simultaneously allowing for directed speech experiments with up to 5 participants. Each booth is equipped with a Røde 1000 large diaphrame condensor microphone and DT 770 head phones. Alternativly there are also DT250 headsets.

There is also a Earthworks Audio M23R measurment microphone for recording stimuli.

Laryngograph

We have two Laryngograph D200 laryngographs and one D600 laryngograph.

Ultrasound Tongue Imaging

There are two Articulate Instruments Micro ultrasound tongue imaging systems available. Both systems have a 20mm radius ultrasound prob and an UltraFit headset. We also have a 10mm radius ultrasound probe available. We also have EMA compatible headsets available.

Electromagnetic articulography (EMA)

We have a Carstens Medizinelektronik AG501 Articulograph capable of recording 24 channels.

EMG

Psycholinguistics Neurolinguistic Research

Electroencephalogram (EEG)

The lab is equipped with two electromagnetically shielded booths for running EEG experiments. Each booth is equipped with a *BrainProducts ActiChamp* EEG system. Each system is capable of recording 32 to 160 channels. Each booth is also equipped with a *capTack* digitisation system to record electrode position information.

We also have a *Biosemi ActivTwo* system capable of recording up to 128 channels. The MK2HS system is capable for recording 128 channels with a maximum sample rate of (16 kHz).

Functional near infrared spectroscopy (fNIRS)

We have three *NIRx NIRSportII* units which can be used indevidually or daisy chained together to give a total of 48 sourses and detectors.

Eye Tracking

An SR Research Eyelink 1000 Plus. With both a desktop and tower mount.