

FILOGIA ANGIELSKA II STOPNIA
SPEC. PRZETWARZANIE JĘZYKA NATURALNEGO
SEMINARIA MAGISTERSKIE 2023/24

dr hab. Tomasz Ciszewski, prof. UG

ACOUSTIC ANALYSIS OF SPEECH

The leading theme of the seminar will be acoustic phonetics. In particular, it includes an introduction to the Source-and-Filter theory, vowel and consonant acoustics, a comparison of Polish and English allophonic systems, an intensive practice of broad and narrow transcription of speech. Students are expected to develop their skills in acoustic measurements using open-source computer software (e.g. PRAAT, Audacity). The methodological component includes postulating and verifying hypotheses concerning phonological processes using acoustic data.

The seminar is intended for all Students interested in speech acoustics who have rudimentary knowledge of articulatory phonetics, phonology and IPA transcription system. This includes spectrographic analysis, e.g. formant analysis, pitch and intensity analysis, spectrogram segmentation principles and sound identification. The research topics will include:

- acoustic analyses of duration
- co-articulation
- allophonic variation
- accent/speaker identification
- text-to-speech tools
- acoustic analysis of Polish-accented English

dr hab. Danuta Stanulewicz, prof. UG

CORPUS STUDIES

The seminar will concentrate on corpus studies. The preferred topics include the following issues:

1. Vocabulary, especially colour vocabulary, including the use of colour terms in various texts, polysemy of colour terms, idioms and collocations with colour words.
2. Metaphor and metonymy.
3. Time and space in language (especially the use of prepositions).
4. Speech acts in various kinds of texts.
5. Lexical differences between language varieties.

Comparative studies (for instance, English-Polish, English-Spanish, English-Polish-Spanish) are welcome.