

VII. Main aims in 2012: Department of Theoretical and Experimental Linguistics

1. *Hungarian generative historical syntax*

Completing the Hungarian Generative Syntax project; summarizing its results in a Hungarian monograph and an in English volume. Continuing the development of the Old Hungarian database. Funding: HSRF NK 78074.

2. *The linguistic description of present-day Hungarian*

a) The 4-year project proposal *Comprehensive grammar resources: Hungarian* comprising 8 teams and 38 researchers is starting in February 2012 and will execute the initial phase as planned. Funding: HSRF NK 100804. The chapters on syntax will be written for a Hungarian grammar to be published by Routledge, London.

b) A description of Hungarian phonology and morphology that relies on existing descriptive works and corpora. The study of morphophonological variation in Hungarian, focussing on vowel harmony, linking vowels and stem alternations.

3. *The development and testing of models for the grammar of present-day Hungarian. Studying interfaces.*

a) The development and experimental testing of models relying on the results of generative linguistics within phonology, syntax, semantics and pragmatics, the theoretical modelling of the interaction between the rules of different subsystems of language. Investigations in operator scope: interaction between syntax and semantics. Experiments and their theoretical explanation. Funding: Lendület (Momentum) program, HSRF NF-84217, HSRF PD 77674, HSRF NF 84217.

b) Alternative models of grammar: the development of a paradigm-based, surface-oriented, occurrence-based analogical theoretical framework; basic research in theoretical computational linguistics to investigate the formal properties of linguistic models. Experiments for a computational simulation of some types of variation in lower levels of Hungarian grammar (phonology and morphology); publication of the results.

c) Creation of a speech database with natural spontaneous speech, designed especially for the needs of prosodic analysis. Creation of a labelling structure for prosody and information structure. Investigation of accent types and their linguistic relevance. Funding: HSRF PD 101050 and Lendület (Momentum) Program.

4. *Experimental research on linguistic and logical-cognitive abilities: studies in neurolinguistics and psycholinguistics*

a) The description of the Hungarian language profile of children displaying language development deficits. In order to enhance diagnostics in speech and language pathology, a validity study of the new screening method. In the research on relative clause in typical and atypical language development production data is to be processed.

b) Summarizing the results of studies on linguistic symptoms of language impairment, trying to discover linguistic markers specific to Hungarian. Further examination of the relationship between language impairment and nonlinguistic abilities.

c) Linguistic (auditive and visual) production and perception test sequences investigating the distinctions between the mechanisms underlying syntactic recursive operations, the recursive generation of compounds and semantic embedding for normal and aphasic subjects and patients with Alzheimer's disease. Non-verbal tests investigating the solution of spatial and temporal problems in a recursive manner. Studies in lexical recursion with normal and aphasic subjects. Investigating recursive constructions in Hungarian Sign Language.

d) Clinical and home applications of computational software therapy for the development of verbal working memory in slight cognitive impairment, aphasia and dementia.

5. *Research on bilingualism and multilingualism*

a) *Dimensions of language otherness – possibilities for minority language maintenance:* comparative study of the complex relationship of language and identity as well as language choice patterns with legal consciousness in six minority community in Hungary. Analysis of the relation between bilingualism, education and language maintenance in the Carpathian Basin. Analysis of the minority education in the development of different forms of bilingualism and in mother tongue maintenance. Comprehensive study of the sign language of the Hungarian deaf community. Description of language use by Gypsy children at school.

Variability and change: the study of language shift in real and apparent time, in this project is planned to study the correlation between language and identity using longitudinal data. Funding: Multilingualism in Europe, HSRF K 81574.

b) Descriptive analysis of the lesser-known phenomena of Hungarian Sign Language (word formation and derivation; some special syntactic rules) based on empirical data.

c) Start of the 3-year research project: Linguistic anthropological studies on Romani language (Language ideologies of Romani in Central and Eastern Europe.) (Resource: HSRF PD 101752)

6. Higher education: Functioning Theoretical Linguistics BA, MA and PhD programme.

II. Main aims in 2013: Department of Theoretical and Experimental Linguistics

1. *Hungarian generative historical syntax*

Finalizing the Hungarian and English volumes containing the results of the Hungarian Generative Syntax project. Completing the Old Hungarian database, testing and improving the browser.

2. *The linguistic description of present-day Hungarian*

a) The 4-year project proposal *Comprehensive grammar resources: Hungarian* comprising 8 teams and 38 researchers will execute the second phase as planned. Funding: HSRF NK 100804.

b) The study of morphophonological variation in Hungarian, focussing on vowel harmony, linking vowels and stem alternations. The study and modelling of the phonetic and phonological voicing of sonorants.

3. *The development and testing of models for the grammar of present-day Hungarian. Studying interfaces.*

a) The continuation of the investigation of the interaction of linguistic subsystems in the expression of quantifier scope, primarily using prosodic (phonetic) and psycholinguistic experimental methods, and the continuation of the theoretical linguistic modelling of the grammatical division of labor in the domain of scope phenomena. The subtypes of distributive and counting quantifiers, negative sentences, the role of configurationality. Lendület (Momentum) program, HSRF NF-84217. The universal and existential impersonal. Development of an explanatory approach. Investigation of the semantic/pragmatic properties of various sentence types in Hungarian.

b) Creation of a speech database with read speech, based on the spontaneous database from 2012. Testing of the perceptual relevance of accent types and prosodic phrasing in a series of experiments. Funding: HSRF PD 101050 and Lendület (Momentum) Program.

c) The implementation of a working model of simulating analogical reasoning in linguistics.

4. *Experimental research on linguistic and logical-cognitive abilities: studies in neurolinguistics and psycholinguistics*

a) Summarizing the results of studies on nonlinguistic abilities in language impairment.

b) The detailed description of the language profile of Hungarian children with SLI. Development of diagnostics in speech/language pathology in Hungarian language.

c) Examination and description of semantic and syntactic features of the agrammatic speech production in individuals with damage of the cerebellum, which is not conceived to be a language related brain area. Interfaces between syntax, prosody and gestures in normal and aphasic subjects.

d) Descriptive analysis of the lesser-known phenomena of Hungarian Sign Language (wordformation and derivation; mouth patterns in signing, some special syntactic rules) based on empirical data.

5. *Research on bilingualism and multilingualism*

a) *Dimensions of language otherness – possibilities for minority language maintenance:* in this project is planned to do comparative study on correlation among language identity and speakers' age and sex in six minority community in Hungary. *Variability and change: the study of language shift in real and apparent time,* in this project is planned to do the study on language and identity using longitudinal data. Funding: HSRF 81754

Anthropological linguistic studies on Romani language. (Linguistic ideologies of Romani in Central and Eastern Europe.) Funding: HSRF, PD 101752.

6. Higher education: Functioning Theoretical Linguistics BA, MA and PhD programme.