Table of Contents

Invited talks	
Dependency distance minimization: facts, theory and predictions	1
SyntaxFest 2019 Invited talk - Inductive biases and language emergence in communicative agents	2
Syntax Fest 2019 Invited talk - Transferring NLP models across languages and domains $Barbara\ Plank$	3
SyntaxFest 2019 Invited talk - Quantitative Computational Syntax: dependencies, intervention effects and word embeddings	4
SyntaxFest 2019 Invited talk - Arguments and adjuncts	5
Depling long papers	
Syntactic dependencies correspond to word pairs with high mutual information	6
Toward a cognitive dependency grammar of Hungarian	17
Interpreting and defining connections in a dependency structure	25
Reflexives in Czech from a Dependency Perspective	36
The evolution of spatial rationales in Tesnière's stemmas	48
Identifying Grammar Rules for Language Education with Dependency Parsing in German Eleni Metheniti, Pomi Park, Kristina Kolesova and Günter Neumann	60
Cliticization of Serbian Personal Pronouns and Auxiliary Verbs. A Dependency-Based Account	72
Predicate Catenae: A Dependency Grammar Analysis of It-Clefts	81
Noun Phrases Rooted by Adjectives: A Dependency Grammar Analysis of the Big Mess Construction	92

Coordination of Unlike Grammatical Functions	103
Depling short papers	
A Spanish E-dictionary of Collocations	115
Presenting TWITTIRÒ-UD: An Italian Twitter Treebank in Universal Dependencies Alessandra Teresa Cignarella, Cristina Bosco and Paolo Rosso	123
Towards Deep Universal Dependencies	131
Association Metrics in Neural Transition-Based Dependency Parsing	140
Exceptive constructions. A Dependency-based Analysis	149
Word order variation in Mbyá Guaraní	156
Examining MDD and MHD as Syntactic Complexity Measures with Intermediate Japanese Learner Corpus Data	165
Pān.inian Syntactico-Semantic Relation Labels	171
Dependency Parsing as Sequence Labeling with Head-Based Encoding and Multi-Task Learning	182
Character-level Annotation for Chinese Surface-Syntactic Universal Dependencies Yixuan Li, Gerdes Kim and Dong Chuanming	190
Quantitative Analysis on verb valence evolution of Chinese	201
How to Parse Low-Resource Languages: Cross-Lingual Parsing, Target Language Annotation, or Both?	207
Experiments on human incremental parsing	216
Delimiting Adverbial Meanings. A corpus-based comparative study on Czech spatial prepositions and their English equivalents	223
Quasy long papers	
A quantitative probe into the hierarchical structure of written Chinese	230

Information-theoretic locality properties of natural language
A Comparative Corpus Analysis of PP Ordering in English and Chinese
An explanation of the decisive role of function words in driving syntactic development 265 Anat Ninio
Intervention effects in object relatives in English and Italian: a study in quantitative computational syntax
Which annotation scheme is more expedient to measure syntactic difficulty and cognitive demand?
Quasy short papers
Extracting out of the subject in French: experimental evidence
Full valency and the position of enclitics in the Old Czech
The relation between dependency distance and frequency
What can we learn from natural and artificial dependency trees
Advantages of the flux-based interpretation of dependency length minimization 328 Sylvain Kahane and Chunxiao Yan
Gradient constraints on the use of Estonian possessive reflexives
Length of non-projective sentences: A pilot study using a Czech UD treebank
Dependency Length Minimization vs. Word Order Constraints: An Empirical Study On 55 Treebanks
TLT long papers
A Surface-Syntactic UD Treebank for Naija
Weighted posets: Learning surface order from dependency trees
Ordering of Adverbials of Time and Place in Grammars and in an Annotated English-Czech Parallel Corpus

Can Greenbergian universals be induced from language networks?	99
Parallel Dependency Treebank Annotated with Interlinked Verbal Synonym Classes and	
Roles	12
Zdeňka Urešová, Eva Fučíková, Eva Hajičová and Jan Hajič	
Are formal restrictions on crossing dependencies epiphenominal?	25
TLT short papers	_
Artificially Evolved Chunks for Morphosyntactic Analysis	36
Challenges of Annotating a Code-Switching Treebank	47
Özlem Çetinoğlu and Çağri Çöltekin	
Syntax is clearer on the other side - Using parallel corpus to extract monolingual data 44 Andrea Dömötör	56
Improving Surface-syntactic Universal Dependencies (SUD): MWEs and deep syntactic	
features	64
Kim Gerdes, Bruno Guillaume, Sylvain Kahane and Guy Perrier	
Dependency Parser for Bengali-English Code-Mixed Data enhanced with a Synthetic Treebank	71
Urmi Ghosh, Dipti Sharma and Simran Khanuja	, 1
Creating, Enriching and Valorizing Treebanks of Ancient Greek	80
Linked Open Treebanks. Interlinking Syntactically Annotated Corpora in the LiLa Knowledge Base of Linguistic Resources for Latin	89
Challenges of language change and variation: towards an extended treebank of Medieval	
French	97
tweeDe – A Universal Dependencies treebank for German tweets	04
Ines Rehbein, Josef Ruppenhofer and Bich-Ngoc Do	
UDW long papers	_
Developing Universal Dependencies for Wolof	13
Improving UD processing via satellite resources for morphology	25
Kaja Dobrovoljc, Tomaž Erjavec and Nikola Ljubešić	
Universal Dependencies in a galaxy far, far away What makes Yoda's English truly alien	36
Natalia Levshina	

Building a treebank for Occitan: what use for Romance UD corpora?
Nested Coordination in Universal Dependencies
HDT-UD: A very large Universal Dependencies Treebank for German
UDW short papers
Towards an adequate account of parataxis in Universal Dependencies
Recursive LSTM Tree Representation for Arc-Standard Transition-Based Dependency Parsing
Rediscovering Greenberg's Word Order Universals in UD
A Dependency Treebank for Welsh
Conllu Editor: a fully graphical editor for Universal dependencies tree bank files 612 $Johannes\ Heinecke$
Towards transferring Bulgarian Sentences with Elliptical Elements to Universal Dependencies: issues and strategies
Survey of Uralic Universal Dependencies development
Building minority dependency treebanks, dictionaries and computational grammars at the same time—an experiment in Karelian treebanking
Universal Dependencies for Mbyá Guaraní
Improving the Annotations in the Turkish Universal Dependency Treebank