

Компютърна компаративистика

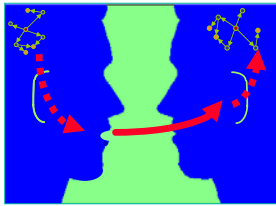
Езикови технологии за славистични изследвания



SlavicNLP@online.de

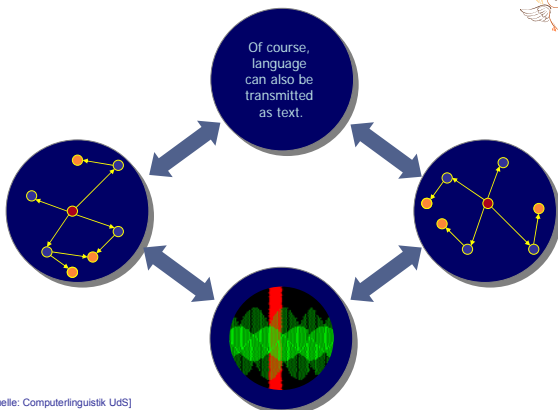
ст.н.с. II ст. д-р **Елена Паскалева**, ИПОИ БАН
PD Dr. phil. habil. **Таня Августинова**, DFKI & Saarland University

The Miracle



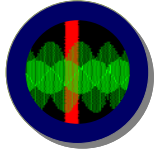
[Quelle: Computerlinguistik UdS]

Language is the Medium



[Quelle: Computerlinguistik UdS]

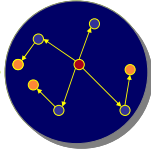
What happens in between?



sound waves



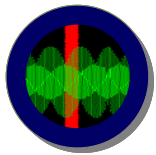
Grammar



activation of concepts

[Quelle: Computerlinguistik UdS]

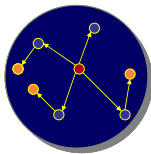
What happens in between?



sound waves



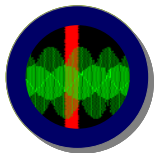
Grammar



activation of concepts

[Quelle: Computerlinguistik UdS]

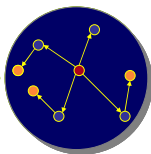
What happens in between?



sound waves



Grammar



activation of concepts

[Quelle: Computerlinguistik UdS]

What happens in between?



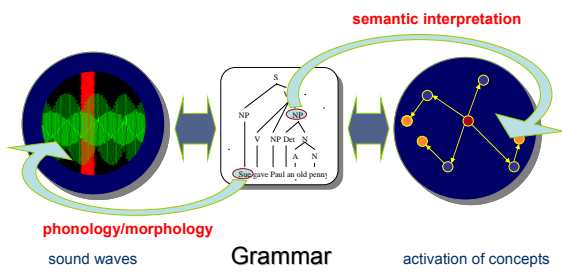
sound waves

Grammar

activation of concepts

[Quelle: Computerlinguistik UdS]

What happens in between?



phonology/morphology

semantic interpretation

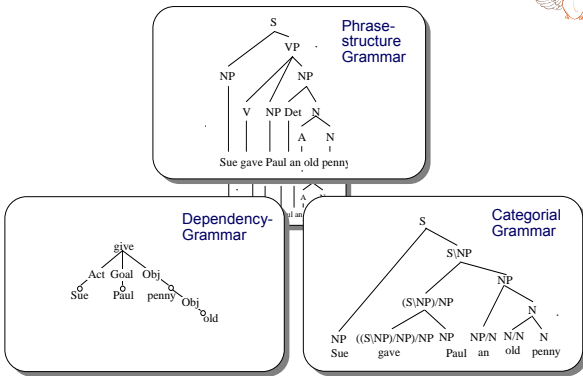
sound waves

Grammar

activation of concepts

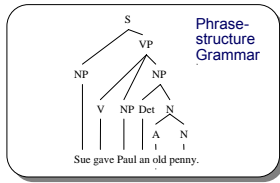
[Quelle: Computerlinguistik UdS]

Tree Traditions



[Quelle: Computerlinguistik UdS]

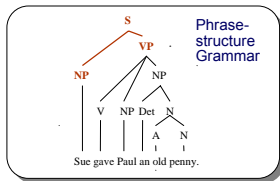
Grammar



$S \rightarrow NP VP$

[Quelle: Computerlinguistik UdS]

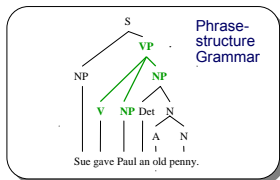
Grammar



$S \rightarrow NP VP$

[Quelle: Computerlinguistik UdS]

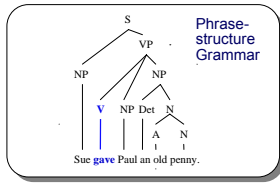
Grammar



$S \rightarrow NP VP$
 $VP \rightarrow V NP NP$

[Quelle: Computerlinguistik UdS]

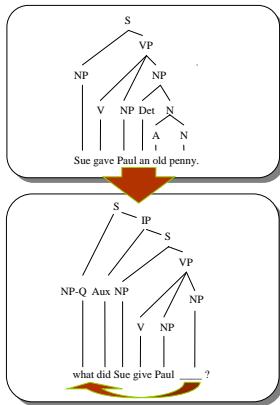
Grammar



$S \rightarrow NP VP$
 $VP \rightarrow V NP NP$
 $V \rightarrow \text{gave}$

[Quelle: Computerlinguistik UdS]

Grammar

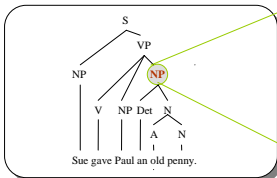


[Quelle: Computerlinguistik UdS]

Grammar



Unification Grammar



PHON	/an old penny/
CAT	NP
SYN HEAD	[CASE objective]
	[NUMBER sing]
	[PERSON third]
VALENCE	vstruc
QUANT	exist
VAR	X_i
SEM	[REL old']
	[VAR X_i]
RESTR	[ARG penny]

[Quelle: Computerlinguistik UdS]
