

# Topics on Robust Deep Linguistic Processing

Lexical Acquisition for MWEs, Partial Parse Selection, ...

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DELPH-IN Summit 2007  
Berlin, Germany

### Lexical Acquisition for MWEs

- Can we acquire lexical entries for MWEs and improve grammar (parsing) coverage without hurting accuracy?

### Partial Parse Selection

- Can we get partial syntactic/semantic analyses when full analysis is not available?

### Selective Unpacking in PET

- Can we extract readings from packed parse forest efficiently, and use the same technique for partial parsing, as well?

### Lexical Acquisition for MWEs

- Validation steps reliably find MWEs
- Compositional approach boosts coverage without hurting accuracy

### Partial Parse Selection

- More sophisticated selection models improve partial parsing results significantly

### Selective Unpacking in PET

- Parser efficiency and accuracy are improved
- Easy to use (maybe)

## Open Questions for Discussion

### Lexical Acquisition for MWEs

- Integration with DELPH-IN software?

### Partial Parse Selection

- How to address long distance dependencies?

### Selective Unpacking in PET

- Still (non-termination) bug?

Wednesday Morning 9:00–9:30

**Suggestions Are Welcomed!**