

Site Update: Saarbrücken

DELPH-IN Summit 2010 Paris

German Research Center for Artificial Intelligence
Saarland University, Saarbrücken, Germany



Research Areas Related to DELPH-IN

- ▶ Grammar & Treebank Development
- ▶ Robust, Efficient & Accurate Hybrid Parsing
- ▶ Deployment of deep linguistic processing

Research Topics You Will Hear About (1)

- ▶ TAKE Project: Ulrich Schäfer
 - ▶ Improving scientific document (ACL Anthology) parsing
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 - ▶ Alternative analyses for the same phenomenon (auxiliaries, verb secondness)
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- ▶ Deep DARE: Feiyu Xu & Peter Adolphs
 - ▶ Utilizes precision grammars in minimally supervised relation extraction
 - ▶ Learns relation extraction rules from ERG analyses of newswire texts
 - ▶ Flexible configuration scheme for trading off precision and recall
 - ▶ High quality of the learned relation extraction rules

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- ▶ Chart Mining: Yi Zhang
 - ▶ Acquire linguistic features by exploring the parsing chart instead of full analysis
 - ▶ Application in lexical acquisition tasks

More Ongoing Activities

- ▶ Russian Resource Grammar: Tania Avgustinova
- ▶ New Visualization Toolkits: Bernd Kiefer

Master Thesis Projects

- ▶ Irina Borisova: Georgian Grammar
- ▶ Maria Sukhareva: Implementing Russian Agreements
- ▶ Xuchen Yao: Question Generation with MRS
- ▶ Danielle Ben-Gera: Parse Disambiguation with Semantic Features
- ▶ Faisal Chowdhury: Using Treebanking Discriminants as Disambiguation Features

Visibility

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- ▶ Education
 - ▶ Combining DELPH-IN related research topics with the teaching in bachelor/master programs

Future

- ▶ Development & Maintenance
- ▶ Collaboration
- ▶ Visibility
- ▶ Projects