

# Multilingual Structured Prediction

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# Our Group (January 2015)



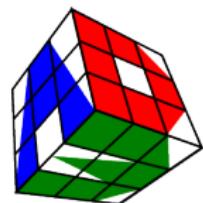
# Topics We've Been Working On

- Alternating Directions Dual Decomposition or AD<sup>3</sup> [ICML'11]
- High-Order Dependency Parsing [ACL'09, EMNLP'11, ACL'13]
- Compressive Summarization [ACL'13]
- High-Order Semantic Role Labeling [SemEval'14]

Some open-source software projects:



<http://www.ark.cs.cmu.edu/TurboParser>  
<http://www.ark.cs.cmu.edu/AD3>



# Topics We're Quite Excited About

- Parsing as Reduction (from dependencies to constituents) [ACL'15]
- Cross-Lingual Coreference Resolution with PR [ACL'15]
- Cross-Lingual Opinion Mining [ACL'15]
- Fast Morpho-Syntactic Prediction [current internship project]
- Representation Learning for Entity Linking [ongoing]

**Starting soon:** Scalable Understanding for Media Monitoring (SUMMA)

- H2020 project with UCL, UEdin, IDIAP, QCRI, BBC, DW and others

# Lisbon Machine Learning School (2011–now)



- An annual summer school in Lisbon devoted to ML and NLP
- Speakers are top researchers in the field
- Financial support from industry: Google (our main sponsor), Amazon, Priberam, Sapo, Feedzai
- **Extremely successful!! > 120 participants worldwide every year (mostly MSc and PhD students, but also industry)**

# Group Photo at LxMLS 2013...



# ... and at LxMLS 2014 (a new record)



- This year we received  $> 400$  applications and had to decrease our acceptance rate to 30%