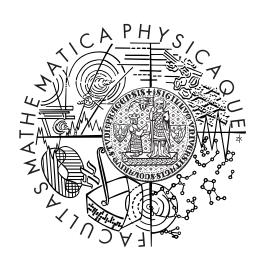
Short presentations



ÚFAL seminar Sedlec-Prčice 12. – 15. 9. 2015



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Petra Barančíková

- PhD student; topic of thesis: Paraphrasing Czech Sentences for Machine Translation Evaluation (supervisor: Markéta)
- Working (¼) on Vendula's light verb GAČR
- Organizing SlonNLP workshop with Rudolf; it takes place at ITAT on September 20

Eduard Bejček

Areas of interest:

- Thesis, mainly... yes, yes, thesis.
- Valency
 - Vallink (linking of lexicons) part of my thesis
 - VALLEX 3.0 (data, web, book version, ...)
- Multiword expressions
 - exploatation of manual annotation, inner structure, automatic identification (thesis)
- support with LaTeX (e.g. PhD thesis template)

Eduard Bejček

PARSEME

- COST Action + MŠMT co-funding
- 30 european countries,29 languages
- 4 year period (2013–2017)
- meetings twice a year, short term internships

Current work with Pavel Straňák:

capture the inner structure of addresses



Petra Galuščáková

- Information retrieval in audio-visual archives
 - Retrieval and linking of relevant segments of videos
 - Based on combination of lexical, visual and prosodic features

Hyperlinking of Video Content

- Participation in TRECVid 2015 Video Hyperlinking Task
 - Linking related segments of videos in large video archives
 - Almost 4000 hours of BBC video broadcast
- Combination of:
 - Subtitles and three automatic transcripts
 - Visual similarity based on Feature Signatures (in cooperation with Siret Group, KSI)
 - Visual similarity based on Caffe descriptors (in cooperation with DISA, MUNI)
 - Face recognition (in cooperation with CMP, CTU)

Anchoring in Video

- Participation in MediaEval 2015 Search and Anchoring in Video Task
- Automatic selection of anchoring segments in videos
 - Anchoring segments should be somehow remarkable for users of the collection.
 - Users can be interested in learning more about the topic of the anchoring segment.
 - Anchoring segments can be subsequently linked with other related segments (hyperlinking).
 - Users can browse video collection using links created for the anchoring segments.

Veronika Kolářová

- Mgr.: FF UK (Czech & Serbian / Croatian; 1998)
- Ph.D.: UFAL MFF UK (Valency of nouns; 2006)
- October 2014 July 2015
 - Academic visit to Centre for Corpus Research (University of Birmigham)
- In Prague (UFAL):
 - LINDAT/CLARIN (30%)
- Main topics of interest
 - Valency of Czech deverbal nouns
 - Support verb constructions and their nominalizations
- Current work
 - Syntactic behaviour of nominalizations of support verb constructions
 - giving an opportunity, loss of control

Vincent Kríž

- PhD student (Barbora Vidová Hladká)
 - finished 3th year
- Detecting Semantic Relations in Texts
 - JTagger
 - detecting references in czech court decisions
 - on-line demo: ufal.mff.cuni.cz/jtagger
 - MICAI 2014, Tuxtla Gutierez, Mexico
 - RExtractor
 - detecting entities and relations in dependency trees
 - on-line demo: odcs.xrg.cz/demo-rextractor
 - MICAI 2014, Tuxtla Gutierez, Mexico
 - NAACL 2015, Denver, Colorado, USA





Vincent Kríž

Verb Pattern Recognition (VPR)

- journal paper (Cinková, Holub, Krejčová, Kríž, Materna)
- extrinsic evaluation with MT (Bojar, Holub, Kríž)

Native Language Identification (NLI)

- experiments with language modeling (Kríž, Holub, Pecina)
- RANLP 2015, Hissar, Bulgaria

Supervising

1 Bc. student

Vincent Kríž

- Real Data Science (RDS)
 - Barbora Vidová Hladká & Martin Nečaský
 - realdatascience.cz
 - VAVAI
 - similarities between projects → network of projects
 - suspicious places in the network
 - presentation for minister Dolezal
 - research for ČSOB
 - cooperation between MFF UK and ČSOB



Vláďa Kuboň

Projects

- LCT the project still continues, the number of students is still relatively low (3 students this year)
- GACR grant On linguistic structure of evaluative meaning in Czech, 2015-2017 (Katka Veselovská, Jana Šindlerová, Aleš Tamchyna)
- participation in a GACR grant of prof.Bartak Automatic Modeling of Knowledge and Plans for Autonomous Robots

Research

- Syntactic analysis
 - Formal properties of free word order, analysis by reduction
- MT between related languages
- Program comittee of several workshops (EAMT, IIS, BSNLP, FLAIRS etc.)

Teaching

- 2 lectures Introduction to CL and NLP Applications;
 - 2 seminars for UFAL and
 - 1 seminar of Automata and Grammars for CS students
- UFAL secretary for teaching
- Coordination of an Erasmus exchange with Saarbruecken, Koper and Tuebingen
- Supervising 1 master thesis (defense in September),
 - 3 PhD. students, Natálka defends next week

Jindřich Libovický (1/2)

- starting 3rd year of PhD, supervisor Pavel Pecina
- thesis topic: scene text and its recognition and hopefully soon also translation
 - cooperation with Czech Technical University (text localization)
 - signs in urban environment → specific language, many shortcuts, named entities, multiple languages
 - playing around with deep learning methods

Any one using nolearn and needs a visualization tool for his/her experiments?

http://ufallab.ms.mff.cuni.cz/~libovicky/learning_curves

Jindřich Libovický (2/2)

- maintaining collection of parallel data in medical domain (KConnect project)
 - you can find them in:

/net/data/medical

- if you have/need some, tell me
- with Ruda Rosa and Tomáš Musil, preparing a web and a short course about machine learning for high school students
 - suggestions and ideas are welcome
 - very early draft of the texts on:

http://su.tomasm.cz/pdf/kniha.pdf

Markéta Lopatková - Projects

Research interests / research projects:

- Valency lexicon of Czech verbs VALLEX
 esp. with Václava Kettnerová (past Zdeněk Žabokrtský)
 diatheses and alternations
 enriching the lexicon with semantic information
 GAČR (2012-2015): Delving Deeper: Lexicographic Description
 of Syntactic and Semantic Properties of Czech Verbs
 (1.2 full contract)
- Modeling of stratificational dependency-based syntax
 based on the analysis by reduction and restarting automata
 esp. with Martin Plátek (KTIML Department of Theoretical Computer Science and
 Mathematical Logic)

Delving Deeper: Lexicographic Description of Syntactic and Semantic Properties of Czech Verbs

- changes in valency structure of verbs, their representation in a lexicon
 - theoretical research; design of a formal model for lexicographic description
 - grammaticalized alternations: diatheses and reciprocity
 - lexicalized alternations: theoretical and practical aspects
 - comparative aspects of diatheses
 - application in an electronic language resource
- mapping lexical resources:
 - enhancing Czech valency lexicon with semantic classes and semantic roles; based on FrameNet
 - strengthening lexical resources with corpus evidence (VALEVAL)

Delving Deeper: Lexicographic Description of Syntactic and Semantic Properties of Czech Verbs

Valency lexicon:

- introduction
 - valency
 - alternations: grammaticalized and lexicalized
 - structure of the lexical entry
- grammar component
 - grammaticalized alternations diatheses, reciprocity, reflexivity
 - lecicalized alternations conversive, splitting, multiple
- data component

main outputs:

- printed lexicon (Karolinum) ... deadline: September 30, 2015
- new on-line lexicon ... deadline: December 31, 2015

Delving Deeper: Lexicographic Description of Syntactic and Semantic Properties of Czech Verbs

- GA P406/12/0557, duration 2012-2015
- budget: 7.137 mil. CZK
- partners:
 - ÚFAL:

Markéta Lopatková, Vendula Kettnerová, Eda Bejček, Anša Vernerová (1.2 contract)

 Institute of Slavonic Languages, Academy of Science of the Czech Republic: Karolína Skwarska (0.7 full contract)

Central Funding

- PROVOZ (teaching money)
 - ca 2.0 mil. CZK salaries (3.65 full contracts)
 - ?? 762 th. CZK other costs
- PRVOUK (research money)
 - ca 2.8 mil. salaries (5.0 full contracts)
 - 350 th, CZK other costs
- Specific Research (?)
 - 140 th, CZK other costs

Markéta Lopatková – Teaching (1)

"Teaching projects":

- Master program in Mathematical Linguistics I3 ("teacher responsible for the program")
- EM LCT (Language and Communication Technologies) together with Vladislav Kuboň
 3 students for 2015-16
 - 1 first year student (3 dropped)
 - 2 second year students
- involved in a preparation of BSc. "General Computer Science" in English (from 2013/14)

Markéta Lopatková – Teaching (2)

Courses:

- Mathematical analysis
 winter + summer term, a practical course, BSc.
- Prague Dependency Treebank with Jiří Mírovský
- Mathematical Methods in Linguistics ???

Supervising:

4 PhD students, 1 Master student

Others:

- Grant Agency of Charles University
 committee for computer science (oborová rada), chair for Informatics
- Czech Science Foundation / GAČR
 panel P406 Linguistics and Literature, chair of the panel
- editorial board: Slovo a slovesnost, Korpus Gramatika Axiologie
- coordinator of Erasmus exchange:
 Bolzano, Trento, Malta, Utrecht, Groningen

Jiří Mírovský

Discourse-related activities

- technical editor of the book Discourse and Coherence
- maintaining the annotated data
- searching in PML-TQ on request
- maintaining the wiki pages with PML-TQ examples (mostly discourse-related)
- Management Committee and Steering Committee member of European project COST TextLink
- project COST-cz TextLink (from November)
- transforming PDTB data to PML-TQ (based on Jan Štěpánek's work)
- maintaining **TrEd extension** for **PDT 3.0** (and several others)

Jiří Mírovský

ÚFAL-wide activities

- technical support for data checks in PDTSC (with M. Mikulová)
- maintaining software from LDC (and other dictionaries,
 Adobe Acrobat, ...), plus associated wiki web pages
- implementation of analysis by reduction on analytical trees (with M. Lopatková and V. Kuboň)
- maintaining the Amoeba database for ÚFAL (with V. Kuboň)
- maintaining **PML-TQ search servers** for PDT 3.0, PDiT 1.0, ...
- maintaining ÚFAL web pages for PDiT 1.0, PDT 3.0 (and a couple of others)
- teaching: software project B. Zdražilová automatic detection of discourse relations in text
- teaching: practical sessions for Markéta's lectures about PDT (NPFL075)

Anja Nedoluzhko

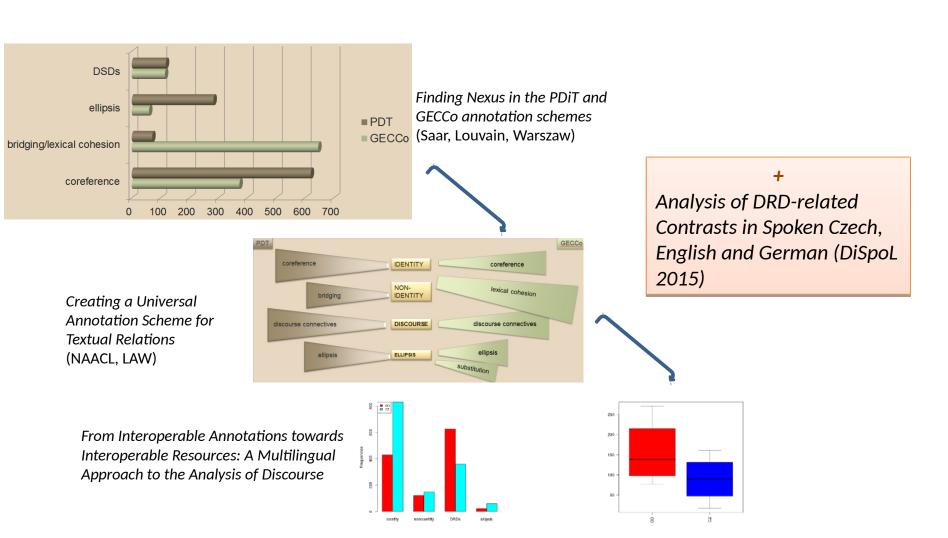
member of the **discourse team** (with prof. Hajičová, Šárka, Jirka M., Pavlína, Lucka, Bára H., Kačka and Majda Rysové, Michal Novák)

GAČR: Coreference, discourse relations and information structure in a contrastive perspective (P406/12/0658), LINDAT-CLARIN, KONTAKT (Šárka Zikánová), COST-Textlink

VÝZKUM

- prepararion of the book "Discourse and Coherence. From the Sentence Structure to Relations in Text"
 - Coreference, Bridging, Contextually bound nodes without coreference
- PDT-GECCo cooperation (next slide) with Saarbrucken colleagues
- contextually bound nodes without coreference with prof. Hajičová, analysis and presentation (CL)
- coreferential expressions in Czech and English (Discours) with Michal Novák
- coreferential chains in Czech, English and Russian (Dialog) with Michal Novák and Russian colleagues
- bridging relations multilingually with Michal Novák and Russian colleagues
- coreference on parallel texts with Michal Novák and foreign colleagues

Anja: Cooperation with Saabrucken (PDT-GECCo)



Anja - other

- STSM in Saarbrücken (January-February, 2015)
- oral presentations, host.prof.: Warszaw (April, 2015) and Moscow (May, 2015)
- plans for new grant proposals with Michal Novák and discourse team (coreference resolution on parallel texts, pragmatics, cooperation with Manfred Stede about anaphoric connectives and discourse projection)
- teaching Variabilities of languages (with Šárka and Magda)
- Programme Committees (LAW IX, Conference of the North American Chapter of the Association for Computational Linguistics (NAACL-2015), International Conference on Computational Linguistics (Dialogue-2015))
- review book New perspectives on cohesion and coherence: implications for translation

Michal Novák

- GAUK 3389/2015: Cross-lingual approaches to coreference resolution
- GAČR project proposal: Structure of coreferential chains in parallel language data
 - with Anja
- coreference-related topics:
 - Anaphoric expressions and chains in parallel Czech-English (+ Russian comparable) data
 - with Anja (+ Svetlana Toldova)
 - Coreference for Deep MT into Czech and Dutch
 - with Dieke Oele, Gertjan van Noord
 - semi-supervised approaches for cross-lingual CR

Michal Novák

- QTLeap
 - 2nd year
 - TectoMT between EN and CS, NL, ES
 - adaptation for IT domain
- public service
 - supplying Karolinum bookstore with books published at ÚFAL
 - administration of the related web pages

Sales of ÚFAL books

Book	11/12 - 07/13	07/13 - 07/14	07/14 - 07/15	Total
Ondřej Bojar: Čeština a strojový překlad: Strojový překlad našincům, našinci strojovému překladu	8	1	3	12
Pavel Pecina: Lexical association measures: Collocation Extraction	3	1	2	6
Ondřej Bojar: Exploiting linguistic data in machine translation	3	1	0	4
Petr Homola: Syntatic analysis in machine translation	4	0	0	4
Anna Nědolužko: Rozšířená textová koreference a asociační anafora	3	1	0	4
Barbora Štěpánková: Aktualizátory ve výstavbě textu, zejména z pohledu aktuálního členění	-	-	4	4
Marie Mikulová: Významová reprezentace elipsy	2	1	0	3
Jiří Mírovský: Searching in the Prague Dependency Treebank	1	2	0	3
Zdeňka Urešová: Valence sloves v Pražském závislostním korpusu	3	0	0	3
Zdeňka Urešová: Valenční slovník Pražského závislostního korpusu PDT-Vallex	3	0	0	3
Kateřina Rysová: O slovosledu z komunikačního pohledu	-	-	3	3
Magda Ševčíková: Funkce kondicionálu z hlediska významové roviny	1	1	0	2
Silvie Cinková: Words that Matter: Towards a Swedish-Czech Colligational Dictionary of Basic Verbs	1	0	0	1
Total	32	8	12	40
Book / Month	4.0	0.67	1.0	1.25

Donations of **ÚFAL** books

Book	#
Ondřej Bojar: Exploiting linguistic data in machine translation	18
Pavel Pecina: Lexical association measures: Collocation Extraction	17
Petr Homola: Syntatic analysis in machine translation	15
Jiří Mírovský: Searching in the Prague Dependency Treebank	4
Silvie Cinková: Words that Matter: Towards a Swedish-Czech Colligational Dictionary of Basic Verbs	4
Ondřej Bojar: Čeština a strojový překlad: Strojový překlad našincům, našinci strojovému překladu	2
Marie Mikulová: Významová reprezentace elipsy	1
Total	61

- donated during events organized by UFAL:
 - SIGDIAL 2015
 - Deep MT Workshop 2015
 - MT Marathon 2015
 - Prague-Hamburg seminar 2015

Lucie Poláková

Project:

Annotation of discourse structure on PDT (discourse connectives, their scopes + meanings, textual coreference, bridging anaphora)

Recently:

- PDT 3.0 released in December 2013 (new: mainly genres, rhematizers, Anja – coreference of 1st + 2nd person)
- Annotation of alternative lexicalizations od discourse connective in PDT (Majda Rysová)
- Preliminary research on implicit connectives (no discourse connective present) and on attribution ("who said what")

Grant support:

GAČR (Zikánová, "Interplays" till 2015)

LINDAT

KONTAKT, second round - Cooperation with UPenn and prof. Aravind Joshi's team (August 2015 – trip to dr. R. Prasad in Milwaukee, Winconsin – PennDTB 3.0 soon to appear!)

Lucie Poláková

COST: TextLink (Action IS1312)

Huge EU project on multilingual corpora with linked connectives – funding mainly for gathering scientists and resources, newly: a tiny amount for salaries (PI – L. Degand, Belgium)

October 20.-21. 2014 meeting in Prague (L. Degand, B. Webber, M. Stede etc.); April 2015 – Fribourg Switzerland (T. Sanders, S. Zufferey) – unified discourse-semantic classification for European languages

PhD: Dissertation:

Discourse relations in Czech, defence on September 23rd, 2015

Service:

- new UFAL webpages
- nástěnkářka 😊

Martin Popel

- Treex NLP framework (Treex::Web no progress since last year)
 - SVN → GitHub (https://github.com/ufal/treex)
 pull requests, issues, forks, Travis-CI, smaller codebase
 - Perl scenarios: easy to use, versioned, parameters
 treex -Len -Ssrc Read::Sentences from=en.txt
 Scen::EN2CS Write::Sentences to=cs.txt
- TectoMT machine translation (PhD thesis on transfer)
 - now for EN→CS, EN→ES, EN→NL, EN→PT, EN→EU
 - experiments with Vowpal Wabbit and word embeddings
- HamleDT 3.0 (42 treebanks), Dan's GAČR Manyla
- MT-ComparEval (with Ondřej Klejch, paper in PBML/MTM)
 https://github.com/choko/MT-ComparEval

MT-ComparEval:

Graphical evaluation interface for Machine Translation development

- Try it now (all WMT 2014-2015 results): http://wmt.ufal.cz
- O Install it (and report issues or contribute): https://github.com/choko/MT-ComparEval
- web-based tool for MT developers
- check progress of a system over time or compare several MT systems
- focus on analyzing system differences
- can be integrated into your workflow (import translations from disk/git/...)



Select an "Experiment", e.a. English-Czech WMT15

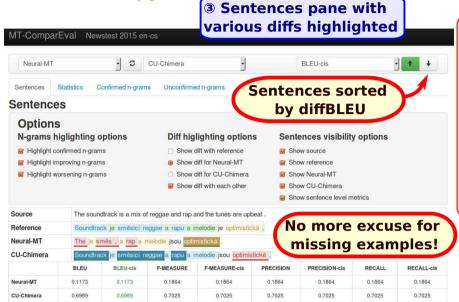
2 See BLEU, F-measure,... Select two "Tasks", i.e. system translations

Newstest 2015 en-cs

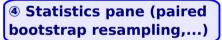


Ondřej Klejch, Eleftherios Avramidis, Aljoscha Burchardt, Martin Popel

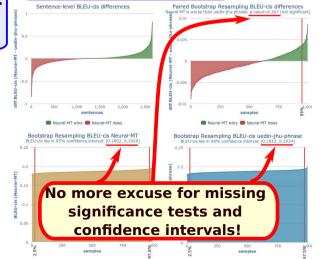
kleich@ufal.mff.cuni.cz, {eleftherios.avramidis,aljoscha.burchardt}@dfki.de, popel@ufal.mff.cuni.cz Charles University in Prague, Faculty of Mathematics and Physics, Institute of Formal and Applied Linguistics German Research Center for Artificial Intelligence (DFKI), Language Technology Lab



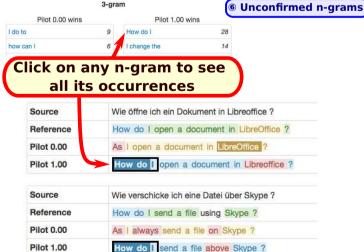
- confirmed n-gram = occurres in the reference (light yellow and blue highlight)
- improving n-gram = confirmed n-gram occurring in only one of the systems (dark vellow and blue highlight)
- worsening n-gram = unconfirmed, occuring in only one of the systems (red highlighting)
- diff (LCS underlined in green)
- See the sentences with biggest improvement/worsening
- See the 1-grams...4-grams with biggest improvement/worsening
- Hints for improving the systems



-0.5816



5 Confirmed n-grams pane



Martin Popel

- PBML (next deadline: January 15th 2016) LaTeX volunteer?
- Technical reports (2015 deadline: December 1st)
- Teaching autumn: Modern Methods in CL I ("Reading group")
 spring: Modern Methods in CL II (for PhD and staff, Deep NN?)
 Language Data Resources (with ZŽ, me: significance)
- QTLeap FP7 project, 2013–2016 (14 lang. pairs, 8 partners: FCUL, DFKI, CUNI, IICT-BAS, UBER, UPV/EHU, UG, HF)

TectoMT outperforms Pilot0 (Moses) on the IT domain (QTLeapCorpus) for: EN→CS, EN→PT, EN→ES, NL→EN

TectoMT available via MT-Monkey web service and (more) easily installable

Rudolf Rosa

- semi-supervised cross-lingual syntactic analysis
 - PhD (ZŽ, starting 3rd year); GAUK; IWPT, ACL, Depling
- QTLeap (TectoMT), HiML (Depfix/MLfix)
- tecto paraphrasing for MT eval (helping Petra B.)
- workshops: SloNLP organizer, DMTW local support
- HamleDT, Universal Dependencies (mildly involved)
- TA for ZŽ's Technology for NLP (last year)
- interning at Google Zürich until March 2016
 - some NLP research (confidential), with Srini Narayanan

Magda Ševčíková

involved in projects

LM2010013 LINDAT-Clarin

teaching

- Introduction to Formal Linguistics
 - for master students, Faculty of Mathematics and Physics
- Professional language and style
 - course on academic writing
 - for master students, Faculty of Mathematics and Physics
- Variability of languages in time and space
 - with Anja Nedoluzhko and Šárka Zikánová
 - for PhD students, Faculty of Mathematics and Physics
- Modern linguistic descriptions of English
 - course on selected syntactic theories
 - for master students of English philology, Faculty of Arts



DeriNet

Lexical network of derivational relations in Czech (i)

- lemmas (nodes) connected with links (edges) corresponding to derivational relations
- with Zdeněk Žabokrtský, Jonáš Vidra (Bc. thesis; SFG grants), Adéla Limburská (SFG grant), and Milan Straka (DeriNet Viewer, expert's opinion on inflectional data)
- Jonáš's thesis
 - extending the DeriNet 0.9 data to MorfFLex dictionary (> DeriNet 1.0)
- current topics
 - representing lemmas with homonymy indexes from MorfFlex
 - exploiting alternations in inflectional paradigms for searching for derivational pairs
 - inflection: $d\mathring{\mathbf{u}}m$.nom $d\mathbf{o}mu$.gen, $sn\acute{\mathbf{i}}h$.nom $sn\check{\mathbf{e}}hu$.gen
 - derivation: dům domek, sníh sněžný
 - semantic labelling of derivational relations
 - high ambiguity vs. homonymy of derivational affixes in Czech

DeriNet

Lexical network of derivational relations in Czech (ii)

- http://ufal.mff.cuni.cz/derinet
 - data of DeriNet 0.9
- version 1.0 to be released soon in LINDAT/Clarin repository
- DeriNet Viewer tool by Milan Straka
 - http://ufal.mff.cuni.cz/derinet/viewer
 - DeriNet 0.9
- DeriNet Search tool by Jonáš Vidra
 - http://jonys.cz/derinet/search/
 - DeriNet 1.0

Aleš Tamchyna

- Ph.D. student, finishing the third year.
- Advisor: RNDr. Ondřej Bojar, Ph.D.
- Research interests:
 - statistical machine translation,
 - machine learning in natural language processing.
- ► Thesis topic: Lexical and Morphological Choices in Machine Translation.
- ▶ I will spend the next academic year in Munich.



Zdeňka Urešová



1. GAČR POSTDOC PROJECT (2013 – 2015)

A comparison of Czech and English verbal valency based on corpus material

- Data preparation together with Jana Šindlerová, Eva Fučíková
- Related: AMR annotation comparison between Czech and English
 - Collaboration with Martha Palmer, Claire Bonial, Jena D. Hwang and Nianwen Xue
- Publ. in 2015 all 5 related to CzEngVallex (The 9th Linguistic Annotation Workshop 2015, co-located with NAACL 2015, SemEval 2015, Depling 2015 2x, Technical report)

CzEngVallex
(both sides of the PCEDT)
20,835 aligned frame pairs
including argument alignment
http://lindat.mff.cuni.cz/services/... coming soon!

2. AMALACH PROJECT

Translation checking and translation interface testing

3. Collaboration with Adam Przepiórkowski

PDT-Vallex vs. Walenty paper

New submitted proposals for next years:

- GAČR: Verbal meaning relations based on an annotated parallel corpus acceptance still pending
- PIRE: eCL-AMR: Exploring Cross-linguistic Abstract Meaning Representations not accepted 😂
- KONTAKT: Abstraktní reprezentace významu a zpracování přirozeného jazyka not accepted 🙁

Kateřina Veselovská

about to finish a Ph.D.
 "On the Linguistic Structure of Emotional
 Meaning in Czech"



in fact

```
SEANCe = SEntiment ANalysis in Czech
```



- sentiment-annotated corpus SubLex
- manually annotated data from multiple domains
- several polarity classifiers with rather satisfactory results (89% accuracy)
- implementation of SubLex to PDT
- new GUI in TrEd
- annotation guidelines (technical report, in progress)
- opinion-target detection systems (CZ/EN)



Other 'sentimental' projects:

- sentiment analysis for IBM Content Analytics
- industrial cooperation with Buzzboot, CaptchaWorks, Wunderman, Zoom International...
- subjectivity lexicon for Indonesian
- GAČR: On Linguistic Structure of Evaluative Meaning in Czech

:(Kateřina Veselovská:)

Other topics of interest:

- construction grammar
- tectogrammatical description of English
- multimodal corpora
- teaching: Linguistic Applications (FF UK, FF UPOL)
- theses consultations & supervisions
- text analytics, i.e. business applications of text mining

http://ufal.mff.cuni.cz/~veselovska/

http://ufal.mff.cuni.cz/~seance/

- Funding
 - MANYLA (GAČR)
 - HIML => translation of health brochures, morphologyaware, Polish and Romanian
 - PRVOUK
 - LINDAT

- Funding
 - MANYLA (GAČR)
 - HIML => translation of health brochures, morphologyaware, Polish and Romanian
 - PRVOUK
 - LINDAT

- **Interset:** conversion of morphosyntactic tags between tagsets (even cross-language)
 - Universal description of morphological tagsets
- HamleDT
 many treebanks → common annotation style
 - With Martin P., Zdeněk, Ruda and others
- Universal Dependencies
 - Large community effort

- Parsing
 - Under-resourced languages, delexicalized parsing
 - Maltese treebank
- Teaching
 - Morphological and Syntactic Analysis I & II
 - Disrupted: Computational NLP (but kept at ČVUT)
- Other
 - Bibliography maintenance (the "Biblio" database)

Šárka Zikánová



Projects

- GA ČR: standard project
 Coreference, discourse relations and information structure in a contrastive perspective (P406/12/0658)
- KONTAKT: cooperation with University of Pennsylvania *Multilingual corpus annotation as a support for language technologies* (KONTAKT 14011)

Tasks

- Main coordinator of two representative publications of the discourse team
- Slovo a slovesnost
- monograph Discourse and Coherence: From the Sentence Structure to Relations in Text
- Fund raising for the discourse team

Teaching

Courses:

- Information structure of sentences and discourse structure (with E. Hajičová)
- Variability of languages in time and space (with M. Ševčíková and A. Nedoluzhko)
- Supervisor of Ph.D. theses and master theses