

Qualico 2009

(Graz, Austria, 17-20 September 2009)

Text and Language: Structures - Functions – Interrelations

Program Committee:

Peter Grzybek
Bijapur D. Jayaram
Emmerich Kelih
Reinhard Köhler

Local Organizers:

Peter Grzybek
Emmerich Kelih

Graz University,
Merangasse 70 / I (1.010) / Mariengasse 6a

Thursday 17, 2009

09.00 **Registration**

10.00 **Opening**

Section I - Opening Presentations

10.30 **Reinhard Köhler / Sven Naumann** (Germany)
Statistical properties of F- and L-Motifs as text characteristics

11.00 **Bijapur D. Jayaram / Matummal N. Vidya** (India)
Word length and frequency relationship in Indian languages

12.00 Guided Tour (Graz University to the City Hall)

13.00 Reception at the City Hall

14.30 Continuation of Guided Tour

Section II - Chair: Anatolij A. Polikarpov

16.00 **Haruko Sanada** (Japan)
Distribution of syllables in Japanese texts

16.30 **Deng Yaochen** (China)
A synergetic linguistic study on compounding propensity in technical English

17.00 **Maria Roukk** (Russia)
Lexico-semantic analysis of the English textbooks for chemistry students

17.30 Coffee Break

Section III - Chair: George Mikros

18.00 **Łukasz Dębowski** (Netherlands)
A link between the number of set phrases in a text and the number of described facts

18.30 **Jan Králík** (Czechia)
Probabilistic reading of Zipf

19.00 **Ramon Ferrer i Cancho** (Spain)
Random sequences of characters do not mimic Zipf's law. The end of a myth

20.00 Welcome Buffet

Friday 18, 2009

Section IV · Chair: Reinhard Köhler

- 9.00 **Tadaharu Tanomura** (Japan)
Retrieving collocational information from Japanese corpora: An attempt towards the creation of a dictionary of collocations
- 9.30 **Ivan Obradović / Cvetana Krstev / Duško Vitas** (Serbia)
Measuring semantic relevance of words in synsets
- 10.00 **Peter Grzybek / Janja Laufer** (Austria)
Word length and sentence length: Text readability and the Arens-Altman law
- 10.30 Coffee Break

Section V · Chair: Jan Králík

- 11.00 **George Mikros** (Greece)
Classification trees, logistic regression and pre-nasalization of voiced stops in Modern Greek: Combining multiple statistical methods in sociolinguistic research
- 11.30 **Andrij Rovenchak** (Ukraine) / **Valentin Vydrin** (Russia)
Statistical properties of the N'ko writing system
- 12.00 **Emmerich Kelih** (Austria)
Grapheme frequencies and word length in Slovene and Serbian: Interrelations and empirical findings
- 12.30 **Sheila Embleton / Dorin Uritescu / Eric Wheeler** (Canada)
How do I know if I am right? Checking quantitative hypotheses
- 13.00 Lunch

Section VI · Chair: Emmerich Kelih

- 14.30 **Sergej Andreev** (Russia)
Quantitative analysis of Keats's style: Genre differences
- 15.00 **Jeronimo Leal** (Italy)
Revisiting Tertullian's authorship of the 'Passio Perpetua' with a computer-guided statistical method
- 15.30 **Tatiana Sherstinova** (Russia)
Quantitative data processing in the ORD speech corpus of Russian everyday communication
- 16.00 Coffee Break

Workshop Session

- 16.30 **Oleg Shevelyov** (Spain / Russia) / **Vasilij Poddubnyj** (Russia)
Complex investigation of texts with the system 'StyleAnalyzer'
Anatolij Polikarpov / Olga Kukuškina / Vasilij Poddubnyj / Oleg Shevelyov(Russia)
Optimization of feature space in tasks of classification and clustering of texts of various types
Vasilij Poddubnyj / A.S. Kravtsova (Russia)
Statistical reduction of features space of text styles
- 17.30 **Work in Progress Presentations**
WSK 9: Quantitative und Formale Linguistik, Altmann Fitter 3.0, Bibliography of Quantitative Linguistics (BQL)
- 18.30 Coffee Break
- 19.00 **IQLA Business Meeting**

Saturday 19, 2009

Section VII · Chair: Sergej Andreev

- 9.00 **Radek Čech** (Czechia) / **Ján Mačutek** (Slovakia / Austria)
On the quantitative analysis of valency in Czech
- 9.30 **Anatolij Polikarpov** (Russia)
Asymmetric dualism of a language sign: on the mechanism of establishing harmony between polysemy and synonymy in natural language signs
- 10.00 **Patrick Juola** (United States)
Diachronic changes in English morphological complexity
- 10.30 Coffee Break

Section VIII · Chair: Alexander Mehler

- 11.00 **Ivan Obradović / Duško Vitas / Cvetana Krstev / Vanja Radulović** (Serbia)
Distribution of canonical syllable types in Serbian
- 11.30 **Gregory Martynenko** (Russia)
Mathematics of harmony, generative grammars and quantitative linguistics
- 12.00 **Nicolas Turenne** (France)
Modelling noun-phrases dynamics in specialized text collections
- 12.30 Lunch

Section IX · Chair: Sheila Embleton

- 14.30 **Solomiya Buk / Olha Humenychuk / Lilija Mal'tseva / Andrij Rovenchak**(Ukraine)
Word-length-related parameters of text genres in the Ukrainian language
- 15.00 **Ján Mačutek** (Austria/Slovakia)
Rank-frequency distributions: Pitfalls to be avoided
- 15.30 **Gordana Đuraš / Ernst Stadlober** (Austria)
Modeling word length frequencies by the Singh-Poisson distribution
- 16.00 Coffee Break

Section X · Chair: Haruko Sanada

- 16.30 **Alexander Mehler** (Germany)
A quantitative model of social ontologies
- 17.00 **Irena Srdanović / Bor Hodošček / Andrej Bekeš / Kikuko Nishina** (Japan)
Classifying corpora based on adverbs distribution
- 17.30 **Erhard Hinrichs / Thomas Zastrow** (Germany)
Research infrastructures for the humanities: European and national perspectives
- 18.00 Coffee Break

Section XI · Chair: Sven Naumann

- 18.30 **Silke Wagner / Michael Donoser** (Austria)
Using web search engines to analyze the role of context in text recognition
- 19.00 **Mahmoud Gindiyeh / Gintarė Grigonytė / Johann Haller** (Germany)
Enhancing clustering of technical documents with linguistic knowledge
- 19.30 **Sylvain Loiseau** (France)
Investigating the interactions between different axes of variation in text typology
- 20.30 Concluding Conference Dinner

Sunday 20, 2009

- 10.00 **Final Discussion**
- 11.00 **Excursion**
- 17.00 **IQLA Council Business Meeting**