

QUALICO 2012 LOCATIONS:

Registration, Opening and Opening Session I:

Great Hall of the University of Belgrade Rectorate,
Studentski trg 1

All other Sessions:

Belgrade City Library, Knez Mihailova 56

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QUALICO 2012



Structures and Processes in Language and Text:

Quantitative Linguistic Perspectives
(Conference Program)

Belgrade, Serbia
April 26–29, 2012

International Quantitative Linguistics Conference Qualico 2012



Qualico 2012

Structures and Processes in Language and Text: A Quantitative Linguistics Perspective

Belgrade, Serbia, April 26-29, 2012

Conference program

Thursday, April 26, 2012

09:00

Registration

10:00

Opening

Session 1 · Opening Presentations

10:30

Sergei Andreev (Russian Federation)
Literal vs. Liberal Translation – Formal Estimation

11:00

George K. Mikros (Greece)
Author Profiling in Greek Blogs: Gender Identification Using Machine Learning Methods

11:30

Coffee break

Session 2 · Chair: Sheila Embleton

12:00

Xiaodong Zhao (China)
Vocabulary Growth of Content Words of ESP and General English – A Contrastive Study of CMTE and BNC

12:30

Jiří Milička (Czech Republic)
Rank-frequency Relation and Type-token Relation – Two Sides of the Same Coin

13:00

Lunch break

Session 3 · Chair: Ján Mačutek

14:30

Andrei Beliankou, Reinhard Köhler, Sven Naumann (Germany)
Discourse Elements and their Structure

15:00

Andelka Zečević (Serbia)
N-gram Based Authorship Attribution for Serbian

Program Committee:

Peter Grzybek (Graz, Austria)
Emmerich Keilh (Graz, Austria)
Reinhard Köhler (Trier, Germany)
Cvetana Krstev (Belgrade, Serbia)
Ján Mačutek (Bratislava, Slovakia)
George Mikros (Athens, Greece)
Ivan Obradović (Belgrade, Serbia)
Duško Vitas (Belgrade, Serbia)

Local Organizers:

Cvetana Krstev (Belgrade, Serbia)
Ivan Obradović (Belgrade, Serbia)
Duško Vitas (Belgrade, Serbia)

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15:30 *Coffee break*

Session 4 • Chair: Duško Vitas

16:00 **Marjolijn van Egmond, Lizet van Ewijk, Sergey Avrušin** (The Netherlands)
Zipf's Law in Aphasia

16:30 **Dario Benedetto, Mirko Degli Esposti, Giulio Maspero** (Italy)
Application of Quantitative Methods to a Real Case in A.A.: The Useful Interaction of Mathematics and Philology

17:00 **Łukasz Debowski** (Poland)
Empirical Evidence for Hilberg's Conjecture in Single-Author Texts

19:00 *Welcome cocktail*

Friday, April 27, 2012

Session 5 • Chair: George K. Mikros

09:30 **Peter Grzybek** (Austria)
The Sentence and its Relatives

10:00 **Duško Vitas, Cvjetana Krstev, Miloš Urvić** (Serbia)
Measures of Differences of the Same

10:30 **Adam Pawłowski, Maciej Eder** (Poland)
Quantitative Analysis of Sequential Structures in *Dalimil's Chronicle*

11:00 *Coffee break*

Session 6 • Chair: Reinhard Köhler

11:30 **Relja Vulanović** (USA)
A Multidimensional Generalization of the Piotrowski-Altmann Law

12:00 **Jaume Baixeries** (Spain), **Ramon Ferrer-i-Cancho** (Spain), **Brita Elvevåg** (Norway)
The Exponent of Zipf's Law in Language Ontogeny

12:30 **Liviu P. Dinu, Sergiu Nisioi** (Romania)
Using Rank Distance to Distinguish an Author's Stylistic Unity

13:00 *Lunch break*

Session 7 • Chair: Peter Grzybek

14:30 **Matilde Trevisani, Arjuna Tuzzi** (Italy)
Shaping the History of Words

15:00 **Emmerich Keilh** (Austria)
On the Dependency of Word Length on Text Length. Empirical Results from Russian and Bulgarian Parallel Texts

15:30 *Coffee break*

Session 8 • Chair: Haruko Sanada

16:00 **Gordana Đuraš, Ernst Stadlober, Emmerich Keilh** (Austria)
The Generalized Poisson Distributions as Models for Word Length Frequencies

16:30 **Ján Mačutek** (Slovakia), **Radek Čech** (Czech Republic)
Quantitative Analysis of the Text Structure Using Co-occurrence of Words

17:00 **Liviu P. Dinu, Solomon Marcus** (Romania)
How Many Syllables Are in Romanian? How Many Are Used?

18:00 *IGLA business meeting*

Saturday, April 28, 2012

Session 9 • Chair: Cvjetana Krstev

09:30 **Jelena Radanović, Petar Milin** (Serbia)
Quantifying Animacy

10:00 **Nemanja Vaci, Petar Milin** (Serbia)
Comprehending Actions in Written Text

10:30 **Haruko Sanada** (Japan)
Thematic Concentration in Japanese Prose

11:00 *Coffee break*

Session 10 • Chair: Emmerich Keilh

11:30 **Ivan Obradović, Aljoša Obuljen** (Serbia)
A Method for Extracting Translational Equivalents from Aligned Texts

12:00 **Makoto Yamazaki** (Japan)
Quantitative Analysis of the Text Structure Using Co-occurrence of Words

12:30 **Elena Voškovaika** (Canada)
Morphological Productivity of French Compounds A-N and N-A from the 17th to the 20th Century: Correlation between Different Measures

13:00 *Lunch break*

Session 11 · Chair: Sergei Andreev

14:30 **Veronika Koch** (Austria)
Shot Length Distributions in Motion Pictures by Sergei Ejzenštejn

15:00 **Vasilij V. Poddubnyi, Anatolij A. Polikarpov** (Russian Federation)
From Regularities of Signs' Life Cycle to Mathematical Modeling of Language Evolution
for Explaining the Formation of Synchronous Polysemy and Frequency of Words' Use
Distributions

15:30
Coffee break

Session 12 · Chair: Ivan Obradović

16:00 **Deng Yaochen** (China)
A Synergetic Linguistic Study on the Properties of Synonyms in English and Chinese

16:30 **Hermann Moisl** (United Kingdom)
Hierarchical Cluster Analysis of Nonlinear Linguistic Data

17:00 **Antonella Delmestri, Liviu P. Dinu** (Romania)
An Assessment of String Similarity Methods for Cognate Identification

17:30
Closing remarks

20:00
Conference dinner: Serbian bistro

Sunday, April 29, 2012

11:00 – 13:00
Boat trip: Belgrade from its rivers